USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Water Supply Outlook Report February 1, 2007

Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

United States Department of Agriculture
Natural Resources Conservation Service
Bozeman, Montana

(406) 587-6811
10 E Babcock
Federal Bldg Room 443
Bozeman MT 59715

Where to Get More Information

This contact list provides you with the names and phone numbers of individuals who can provide more detailed snow survey information for each county.

Beaverhead County
Victor Hager
683-3800

Big Horn County
Evan Van Order
665-3442

Blaine County
Matthew Crampton
357-2320

Broadwater County
Karla Ware
266-3146

Carbon County
Gregory Evertz
962-3641

Carter County
Wayne Yost
775-6355

Cascade County
Mark Delperdang
727-7580

Chouteau County
Dan Van Voast
622-5627

Custer County
Rusty Irion
232-7905

Daniels County
Valerie Oksendahl
487-5366

Dawson County
Linda Peterson-Lohse
365-5566

Deer Lodge County
Glen Green
846-1703

Fallon County
Ann Fischer
778-2217

Fergus County
Patty Creamer
538-7401

Flathead County
Angel Rosario
752-4242

Gallatin County
Matt Drechsel
522-4018

Garfield County
Sue Fitzgerald
557-2232

Glacier County
Mark Johnson
873-4292

Golden Valley County
Justin Meissner
323-2103

Granite County
Mary McDonald
859-3291

Hill County
Deana Grabofsky
265-6792

Jefferson County
Julie Sacks
287-3215

Judith Basin County
Rick Caquelin
566-2311

Lake County
David Wolf
676-2841

Lewis and Clark County
Mindy Gauthier
449-5000

Liberty County
Dawn Wickum
759-5778

Lincoln County
Kirk Sullivan
296-2233

Madison County
Ole Berkram
842-5741

McCone County
Regan Kirchner
485-2744

Meagher County
Tammy DeCock
547-3633

(over)

Mineral County
Tony Prince
829-3395

Missoula County
Tony Prince
829-3395

Musselshell County
Justin Meissner
323-2103

Park County
Ron Hoagland
222-2899

Petroleum County
Nikki Rife
429-6646

Phillips County
Lorna Philp
654-1334

Pondera County
Stacy Eneboe
278-3922

Powder River County
Carol Hilliard
436-2417

Powell County
Glen Green
846-1703

Prairie County
Dick Scheetz
635-5381

Ravalli County
Henry Burkwhat
363-5010

Richland County
Jamie Selting
433-2103

Roosevelt County
Robert Bray
787-5232

Rosebud County
Rocky Schwagler
346-7333

Sanders County
Don Feist
826-3701

Sheridan County
Monica Friedrich
765-1801

Silver Bow County
Julie Sacks
287-3215

Stillwater County
Philip Sandoval
322-5359

Sweet Grass County
Chuck Roloff
932-5160

Teton County
Thedis Crowe
466-5722

Toole County
Misty Vermulm
434-5234

Treasure County
Danae Pinkerton
342-5510

Valley County
Denise Wiedenheft
228-4321

Wheatland County
John Oiestad
632-5534

Wibaux County
Katrina Johnson
796-2211

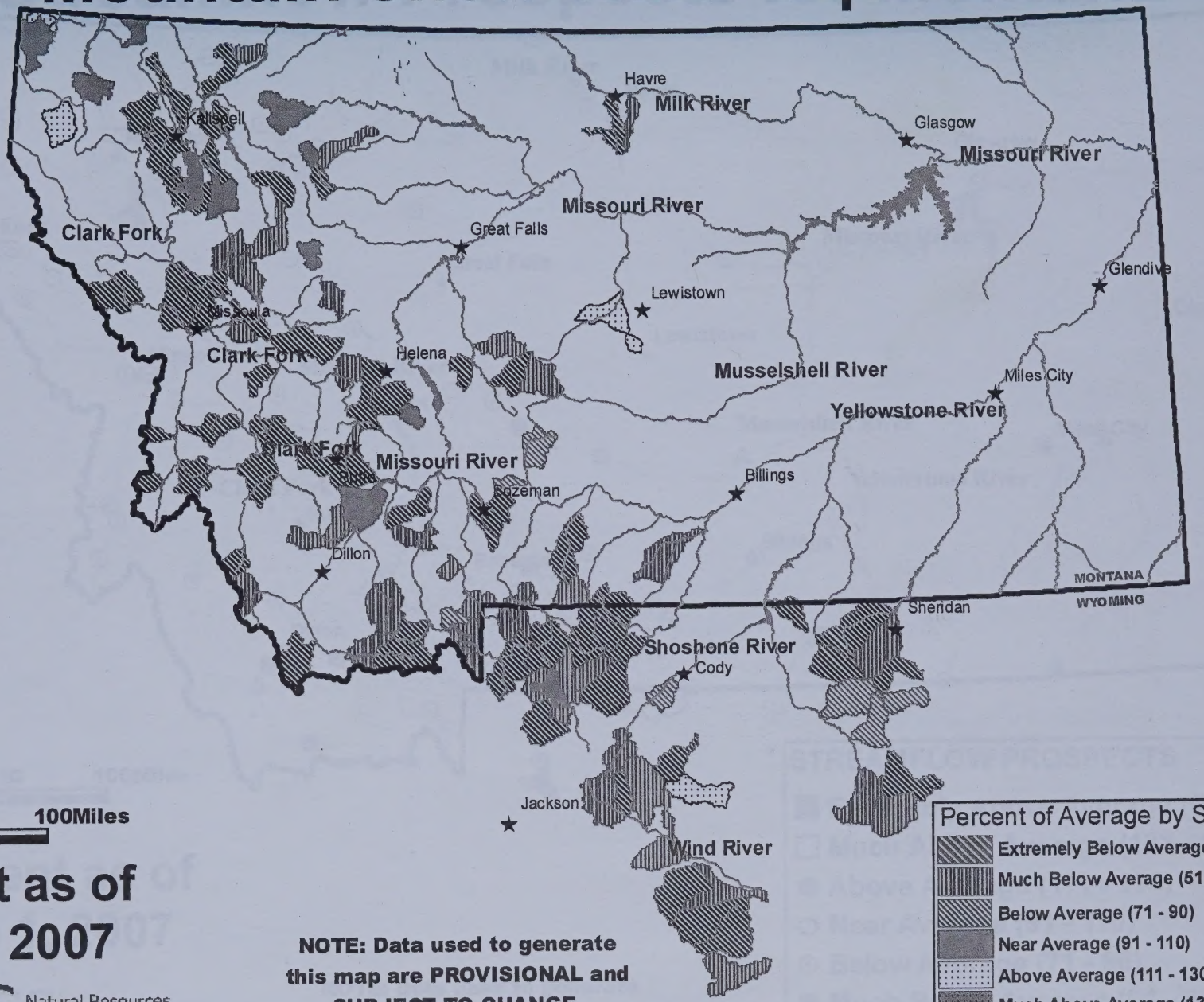
Yellowstone County
Valerie Roberson
657-6135

1/8/06

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Mountain Snow Water Equivalent

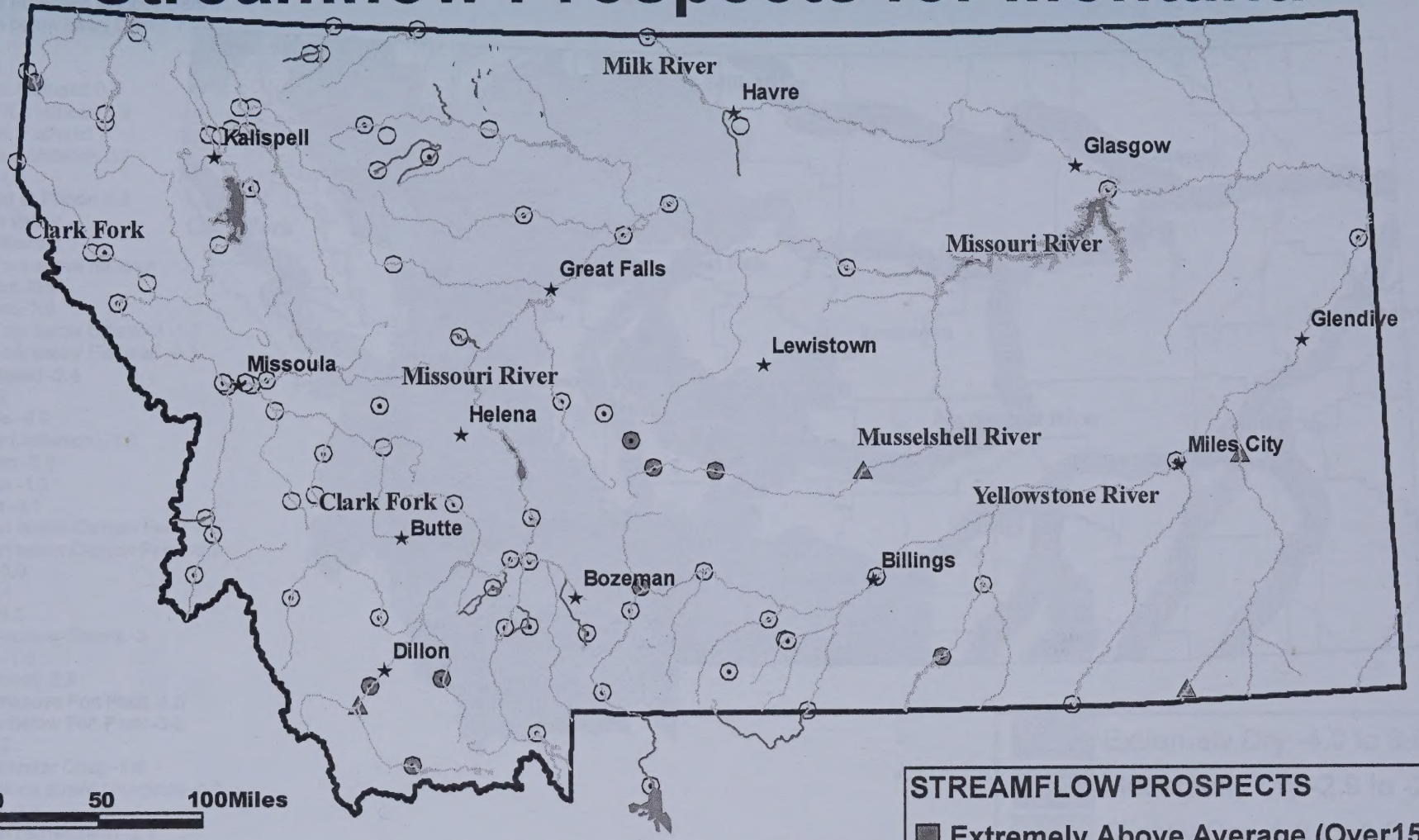


Mountain Home Electric Co-op
Service Territory

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Streamflow Prospects for Montana



Current as of Feb 1, 2007

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

STREAMFLOW PROSPECTS

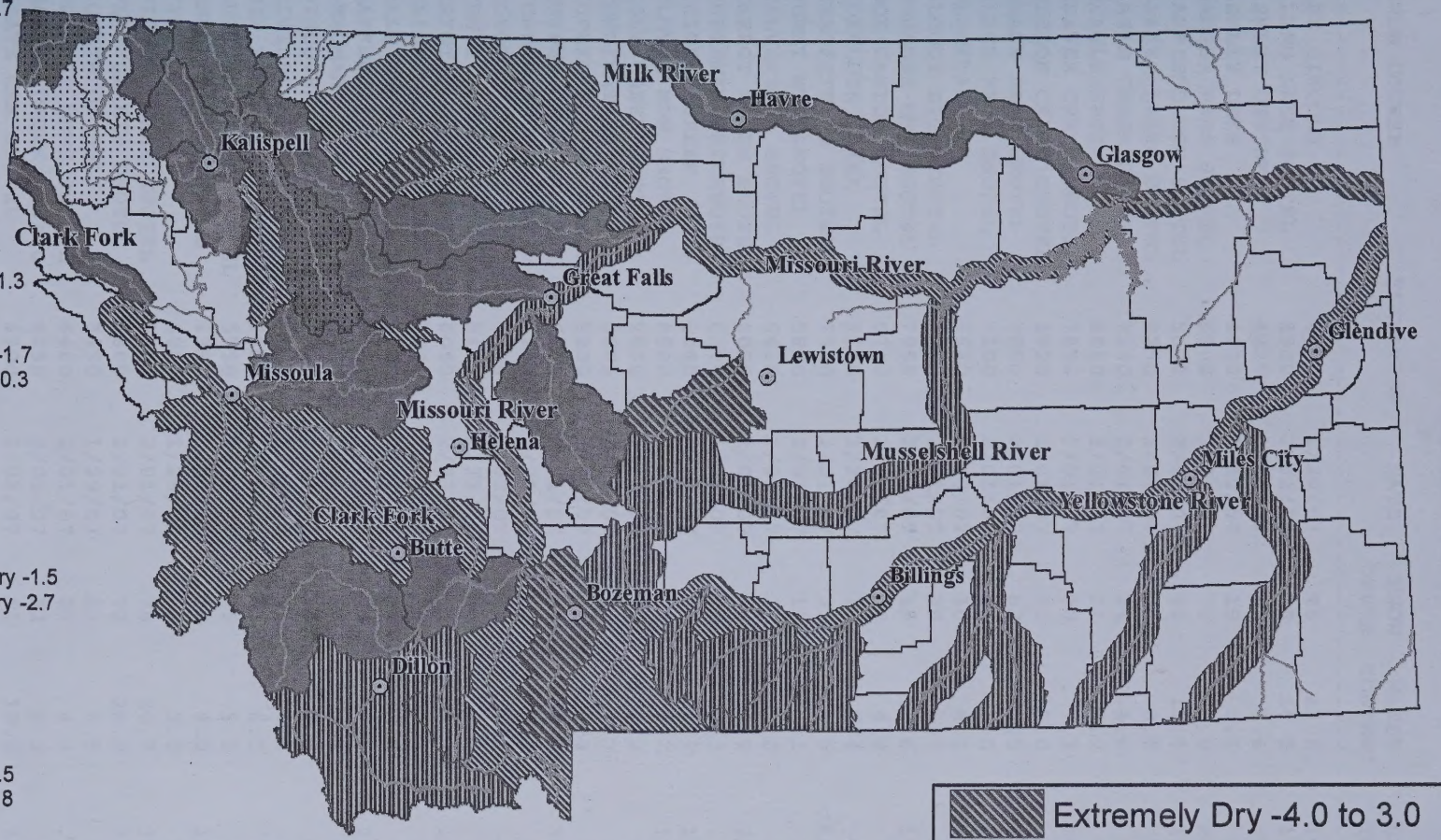
- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

RIVER INDEX & SWSI VALUES

1 Marias above Tiber Reservoir -1.4
2 Tobacco -0.1
3 Kootenai Ft. Steele to Libby Dam 1
4 Kootenai below Libby Dam 1.7
5 Fisher 1.1
6 Yaak 2.1
7 North FK. Flathead 0.6
8 Middle FK. Flathead 0.3
9 South FK. Flathead 2
11 Stillwater/Whitefish 0.2
12 Swan -1.4
13 Flathead at Polson 0.9
14 Mission Valley
15 Little Bitterroot
16 Clark Fork above Milltown -1.3
17 Blackfoot -0.8
19 Bitterroot -1.9
20 Clark Fork below Bitterroot -1.7
21 Clark Fork below Flathead -0.3
22 Beaverhead -2.4
23 Ruby -2
24 Big Hole -0.9
25 Boulder (Jefferson) -1.5
26 Jefferson -0.9
27 Madison -1.5
28 Gallatin -3.1
29 Missouri above Canyon Ferry -1.5
30 Missouri below Canyon Ferry -2.7
31 Smith -0.9
32 Sun -0.4
33 Teton -0.2
34 Birch/Dupuyer Creeks -3
35 Marias -1.6
36 Musselshell -2.9
37 Missouriabove Fort Peck -1.5
38 Missouribelow Fort Peck -3.8
39 Milk -0.2
40 Dearbornnear Craig -1.6
41 Yellowstone above Livingston -1.6
42 Shields -2.7
43 Boulder(Yellowstone) -2.4
44 Stillwater -2.2
45 Rock/Red Lodge Creeks -2.8
46 Clarks Fork -2.3
47 Yellowstone above Bighorn -1.9
48 Bighorn below Bighorn Lake -2
49 Little Bighorn -2.4
50 Yellowstone below Bighorn -1.9
51 Tongue -2.2
52 Powder -2.7
53 Upper Judith River -3.4
54 Saint Mary River 1



0 45 90 Miles

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

Current as of Feb 1, 2007

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

- Extremely Dry -4.0 to 3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Sightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Apllicable

MONTANA SNOW COURSE AND SNOTEL DATA

FEBRUARY 2007

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABE LINCOLN	4440	1/29/07	46	13.8	10.1	13.7
ALBRO LAKE SNOTEL	8300	2/01/07	38	10.5	11.5	13.1
ASHLEY DIVIDE	4820	1/30/07	17	3.6	5.3	5.1
ASHLEY LAKE	4000	1/30/07	15	3.1	4.5	4.4
BADGER PASS SNOTEL	6900	2/01/07	70	21.0	20.7	22.3
BANFIELD MTN SNOTEL	5600	2/01/07	44	12.4	13.2	13.3
BARKER LAKES SNOTEL	8250	2/01/07	28	8.6	9.5	9.2
BASIN CREEK SNOTEL	7180	2/01/07	24	4.6	5.8	4.9
BEAGLE SPGS SNOTEL	8850	2/01/07	21	4.2	5.8	5.5
BEAVER CREEK SNOTEL	7850	2/01/07	30	7.3	14.9	11.5
BISSON CREEK SNOTEL	4920	2/01/07	22	5.0	6.7	6.8
BLACK BEAR SNOTEL	7950	2/01/07	62	19.5	37.8	25.6
BLACK PINE SNOTEL	7100	2/01/07	25	5.5	7.3	8.0
BLACKTAIL	5650	1/30/07	30	8.1	10.8	9.6
BLOODY DICK SNOTEL	7550	2/01/07	25	6.1	8.8	8.4
BOULDER MTN SNOTEL	7950	2/01/07	43	10.6	16.7	13.4
BOX CANYON SNOTEL	6700	2/01/07	20	4.9	7.6	6.7
BOXELDER CREEK	5100	1/26/07	18	3.4	6.6	5.2
BRACKETT CR SNOTEL	7320	2/01/07	23	5.5	15.2	13.3
BURNT MTN SNOTEL	5880	2/01/07	13	2.1	2.2	4.0
CALVERT CR SNOTEL	6430	2/01/07	21	5.0	8.1	5.9
CARROT BASIN SNOTEL	9000	2/01/07	53	12.9	22.7	18.1
CHESSMAN RESERVOIR	6200	1/26/07	10	2.3	.4	2.5
CHICKEN CREEK	4060	1/29/07	42	10.8	13.2	11.5
CLOVER MDW SNOTEL	8800	2/01/07	24	5.7	12.3	11.1
COLE CREEK SNOTEL	7850	2/01/07	30	6.2	6.3	9.8
COMBINATION SNOTEL	5600	2/01/07	11	2.7	3.0	3.4
COPPER BOTTOM SNOTEL	5200	2/01/07	22	5.2	6.8	8.0
COPPER CAMP SNOTEL	6950	2/01/07	83	32.0	34.9	--
COPPER MOUNTAIN	7700	1/28/07	22	6.3	8.6	7.0
COYOTE HILL	4200	2/02/07	19	4.5	6.8	7.3
CREVICE MOUNTAIN	8400	1/31/07	25	4.8	8.6	7.6
CRYSTAL LAKE SNOTEL	6050	2/01/07	51	9.7	12.1	8.1
DAISY PEAK SNOTEL	7600	2/01/07	18	3.6	6.1	6.7
DALY CREEK SNOTEL	5780	2/01/07	26	6.2	7.8	7.4
DARKHORSE LK. SNOTEL	8700	2/01/07	54	16.5	22.3	20.4
DEADMAN CR SNOTEL	6450	2/01/07	25	4.8	8.4	7.1
DISCOVERY BASIN	7050	1/29/07	24	5.8	6.2	6.6
DIVIDE SNOTEL	7800	2/01/07	19	4.1	7.6	6.9
DIX HILL	6400	1/28/07	23	6.0	7.6	7.6
DUPUYER CREEK SNOTEL	5750	2/01/07	25	5.1	1.2	7.3
EMERY CREEK SNOTEL	4350	2/01/07	34	9.0	11.9	10.5
FISH CREEK	8000	1/29/07	23	5.8	5.9	5.8
FISHER CREEK SNOTEL	9100	2/01/07	70	20.3	30.1	23.8
FLATTOP MTN SNOTEL	6300	2/01/07	92	28.0	34.2	31.8
FOURTH OF JULY	3450	1/29/07	33	6.5	6.0	6.5
FROHNER MDWS SNOTEL	6480	2/01/07	21	4.3	4.7	5.0
GARVER CREEK SNOTEL	4250	2/01/07	32	8.3	8.1	7.3
GRAVE CRK SNOTEL	4300	2/01/07	41	10.5	12.5	11.7
HAND CREEK SNOTEL	5030	2/01/07	30	7.2	8.6	8.6
HAWKINS LAKE SNOTEL	6450	2/01/07	62	20.0	16.6	18.4
HEBGEN DAM	6550	1/24/07	17	2.8	8.6	8.2
HELL ROARING DIVIDE	5770	2/01/07	57	16.7	22.9	20.7
HERRIG JUNCTION	4850	1/29/07	56	17.0	19.3	18.1
HOLBROOK	4530	2/01/07	21	4.5E	4.9	7.2
HOODOO BASIN SNOTEL	6050	2/01/07	74	24.6	33.2	30.1
INTERGAARD	6450	2/01/07	---	4.2E	3.6	4.8
JOHNSON PARK	6450	1/26/07	12	2.4	2.9	3.9
KRAFT CREEK SNOTEL	4750	2/01/07	25	6.3	8.6	10.9
LAKEVIEW RDG. SNOTEL	7400	2/01/07	26	5.7	7.5	7.2
LICK CREEK SNOTEL	6860	2/01/07	27	5.4	7.5	7.4
LONE MOUNTAIN SNOTEL	8880	2/01/07	34	8.2	15.2	12.1
LOWER TWIN SNOTEL	7900	2/01/07	33	7.3	12.5	12.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LUBRECHT SNOTEL	4680	2/01/07	16	3.9	3.6	4.2
LUBRECHT FOREST NO 3	5450	1/30/07	14	2.9	3.3	4.6
LUBRECHT FOREST NO 4	4650	1/30/07	6	1.4	2.0	2.5
LUBRECHT FOREST NO 6	4040	1/30/07	7	1.4	2.5	2.8
LUBRECHT HYDROPLOT	4200	1/30/07	15	3.2	4.0	4.2
MADISON PLT SNOTEL	7750	2/01/07	39	10.6	20.2	16.2
MANY GLACIER SNOTEL	4900	2/01/07	27	7.8	6.6	11.2
MARIAS PASS	5250	1/31/07	37	11.1	9.4	11.7
MONUMENT PK SNOTEL	8850	2/01/07	43	11.2	17.3	14.2
MOSS PEAK SNOTEL	6780	2/01/07	70	22.3	28.4	24.6
MOULTON RESERVOIR	6850	1/29/07	17	3.3	7.6	5.2
MT LOCKHART SNOTEL	6400	2/01/07	43	12.7	11.6	14.2
MULE CREEK SNOTEL	8300	2/01/07	28	7.1	10.6	10.4
N.E. ENTRANCE SNOTEL	7350	2/01/07	22	4.9	7.2	7.7
NEVADA RIDGE SNOTEL	7020	2/01/07	31	7.4	10.2	10.1
NEW WORLD	6900	2/01/07	---	7.3E	--	9.0
NEWTON MOUNTAIN	5600	1/29/07	63	22.2	23.2	22.6
NEZ PERCE CMP SNOTEL	5650	2/01/07	29	7.4	11.5	9.9
NEZ PERCE CREEK	6600	1/28/07	15	2.9	4.4	4.3
N.F. ELK CR SNOTEL	6250	2/01/07	26	6.7	7.8	8.0
NF JOCKO SNOTEL	6330	2/01/07	63	20.0	30.3	30.1
NOISY BASIN SNOTEL	6040	2/01/07	67	20.4	34.5	27.0
OPHIR PARK	7150	1/28/07	25	6.5	10.9	10.6
PETERSON MDW SNOTEL	7200	2/01/07	25	5.4	6.2	6.1
PICKFOOT CRK SNOTEL	6650	2/01/07	26	5.2	9.6	7.9
PIKE CREEK SNOTEL	5930	2/01/07	49	15.7	17.7	17.8
PIPESTONE PASS	7200	1/27/07	11	1.9	2.7	3.2
PLACER BASIN SNOTEL	8830	2/01/07	39	9.4	13.4	11.7
PORCUPINE SNOTEL	6500	2/01/07	13	1.8	6.6	4.5
RED TOP	5260	1/29/07	56	19.1	18.5	18.4
ROCKER PEAK SNOTEL	8000	2/01/07	35	7.4	10.4	9.1
ROCKY BOY SNOTEL	4700	2/01/07	22	2.9	3.2	3.7
SACAJAWEA SNOTEL	6550	2/01/07	17	3.7	10.8	8.9
SADDLE MTN SNOTEL	7900	2/01/07	47	12.5	19.9	17.3
S.F. SHIELDS SNOTEL	8100	2/01/07	26	5.1	13.2	10.7
SHORT CREEK SNOTEL	7000	2/01/07	11	2.5	4.6	3.9
SHOWER FALLS SNOTEL	8100	2/01/07	48	11.4	16.2	14.0
SKALKAHO SNOTEL	7260	2/01/07	45	12.7	17.1	16.0
SLEEPING WOMAN SNTL	6150	2/01/07	31	9.0	11.5	10.6
SPOTTED BEAR MTN.	7000	1/26/07	30	8.0	7.4	10.1
SPUR PARK SNOTEL	8100	2/01/07	47	10.7	14.9	14.6
STAHL PEAK SNOTEL	6030	2/01/07	72	21.9	27.7	24.1
STORM LAKE	7780	1/29/07	27	7.3	8.9	8.3
STRYKER BASIN	6180	1/29/07	62	19.2	24.4	21.3
STUART MOUNTAIN SNTL	7400	2/01/07	62	19.4	25.5	22.8
TAYLOR ROAD	4080	1/26/07	11	2.1	2.8	2.6
TEN MILE LOWER	6600	1/26/07	17	3.8	5.3	4.7
TEN MILE MIDDLE	6800	1/26/07	21	4.9	6.3	7.1
TEPEE CREEK SNOTEL	8000	2/01/07	26	7.3	11.5	8.5
TIZER BASIN SNOTEL	6840	2/01/07	30	7.1	7.0	6.5
TRINKUS LAKE	6100	1/26/07	71	23.0	30.7	26.6
TRUMAN CREEK	4060	2/01/07	15	3.6	3.6	3.5
TV MOUNTAIN	6800	1/26/07	33	9.3	11.8	11.8
TWELVEMILE SNOTEL	5600	2/01/07	35	9.6	13.8	12.8
TWENTY-ONE MILE	7150	1/30/07	29	6.9	13.4	11.1
TWIN LAKES SNOTEL	6400	2/01/07	71	24.1	32.4	27.5
UPPER HOLLAND LAKE	6200	1/26/07	56	16.7	19.9	23.7
WALDRON SNOTEL	5600	2/01/07	31	7.2	6.6	8.0
WARM SPRINGS SNOTEL	7800	2/01/07	43	12.0	15.0	13.8
WEASEL DIVIDE	5450	1/31/07	68	21.5	23.6	21.5
WEST YELL'ST SNOTEL	6700	2/01/07	25	5.3	10.7	8.6
WHISKEY CREEK SNOTEL	6800	2/01/07	30	6.9	12.0	11.1
WHITE MILL SNOTEL	8700	2/01/07	43	11.9	19.0	16.1
WOOD CREEK SNOTEL	5960	2/01/07	22	5.8	6.5	6.3

Montana Water Supply Outlook Report as of February 1, 2007

Once again, most mountain storm activity remained west of the divide and along the southern mountains east of the divide. January mountain precipitation was generally below average. West of the Divide mountain precipitation was 74 percent of average and East of the Divide was 68 percent of average. January mountain precipitation was especially poor in areas of central, south west, and south central regions ranging from 44 to 65 percent of average.

Snowpack

The first of February is when we should have about 60 to 65 percent of our seasonal snowpack accumulation in place with 35 to 40 percent of the season remaining. Mountain snowpack is below average and below last year at this time. State-wide, mountain snowpack was 80 percent of average and 74 percent of last year. West of the Continental Divide, snowpack was 85 percent of average and 82 percent of last year and East of the continental Divide, snowpack was 74 percent of average and 73 percent of last year.

Basins near record low February 1 snowpack were Ruby, Madison, Gallatin, and Lower Yellowstone. Shields basin has set a new record low and Musselshell is at record low.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	JANUARY % CHANGE
COLUMBIA	85	82	0
KOOTENAI, MONTANA	99	93	+ 1
KOOTENAY, CANADA	112	123	--
FLATHEAD, MONTANA	84	80	+5
FLATHEAD, CANADA	98	101	--
UPPER CLARK FORK	77	78	-7
BITTERROOT	80	71	-4
LOWER CLARK FORK	88	81	-7
MISSOURI	75	69	-6
MISSOURI HEADWATERS	71	60	-9
JEFFERSON	74	66	-7
MADISON	68	57	-10
GALLATIN	64	53	-9
MISSOURI MAINSTEM	83	86	-1
HEADWATERS MAINSTEM	82	78	-7
SMITH-JUDITH-MUSSELSHELL	79	63	-1
SUN-TETON-MARIAS	90	107	+1
MILK	89	126	--
BEARPAW MOUNTAINS	73	67	-18
CYPRESS HILLS, CANADA	104	372	--
ST. MARY	86	102	+3
ST. MARY & MILK	82	175	+4
YELLOWSTONE	70	74	-6
UPPER YELLOWSTONE	70	64	-7
LOWER YELLOWSTONE	70	86	-4
STATE-WIDE	80	74	-2

Precipitation

January mountain and valley precipitation across the state was 63 percent of average and 50 percent of last year, while the water year precipitation was 102 percent of average and 88 percent of last year.

West of the Continental Divide, January mountain and valley precipitation was 72 percent of average and 48 percent of last year and the water year precipitation was 108 percent of average and 96 percent of last year. East of the Divide, January mountain and valley precipitation was 54 percent of average and 52 percent of last year and the water year precipitation was 96 percent of average and 81 percent of last year.

RIVER BASIN	JANUARY % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	72	108
KOOTENAI	86	122
FLATHEAD	80	104
UPPER CLARK FORK	62	102
BITTERROOT	65	106
LOWER CLARK FORK	69	112
MISSOURI	56	98
JEFFERSON	51	98
MADISON	44	86
GALLATIN	43	82
MISSOURI MAINSTEM	49	93
SMITH-JUDITH-MUSSELSHELL	60	109
SUN-TETON-MARIAS	75	103
MILK	114	116
ST. MARY	88	89
YELLOWSTONE	64	110
UPPER YELLOWSTONE	55	94
LOWER YELLOWSTONE	72	83
STATE-WIDE	63	102

Reservoirs

Major reservoir storages statewide were 80 percent of average and 94 percent of last year. Reservoir storage west of the Continental Divide was 126 percent of average and 91 percent of last year. East of the Continental Divide, reservoir storages were 66 percent of average and 97 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	126	91
KOOTENAI	132	84
FLATHEAD	124	98
UPPER CLARK FORK	81	84
BITTERROOT	177	351
LOWER CLARK FORK	97	94
MISSOURI	65	97
JEFFERSON	89	139
MADISON	106	102
GALLATIN	140	--
MISSOURI MAINSTEM	62	96
SMITH-JUDITH-MUSSELSHELL	64	141
SUN-TETON-MARIAS	98	97
MILK	79	79
ST. MARY	145	94
YELLOWSTONE	93	94
UPPER YELLOWSTONE	109	93
LOWER YELLOWSTONE	93	94
STATE-WIDE	80	94

Streamflow

Assuming normal precipitation across Montana, streamflows are forecast to average 68 to 83 percent. West of the Continental Divide, streamflows are forecast to average 81 and 92 percent. East of the Continental Divide, streamflows are forecast to average 59 and 77 percent.

Below are averaged river basin streamflow forecast summaries for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	81 to 92	94 to 106
KOOTENAI	94 to 103	93 to 104
FLATHEAD	85 to 94	97 to 107
UPPER CLARK FORK	72 to 87	89 to 106
BITTERROOT	78 to 87	104 to 115
LOWER CLARK FORK	80 to 91	92 to 103
MISSOURI	56 to 77	79 to 99
JEFFERSON	49 to 69	76 to 95
MADISON	73 to 80	108 to 116
GALLATIN	66 to 78	106 to 117
MISSOURI MAINSTEM	63 to 76	92 to 106
SMITH-JUDITH-MUSSELSHELL	38 to 62	97 to 117
SUN-TETON-MARIAS	73 to 93	60 to 79
MILK	46 to 88	41 to 84
ST. MARY	89 to 96	80 to 87
YELLOWSTONE	64 to 76	87 to 99
UPPER YELLOWSTONE	72 to 83	99 to 110
LOWER YELLOWSTONE	54 to 67	70 to 84
STATE-WIDE	68 to 83	86 to 101

NOTE: The APRIL-JULY LAST YEAR % OF AVERAGE column above is what was forecast February 1 last year, NOT what actually occurred.

Surface Water Supply Index

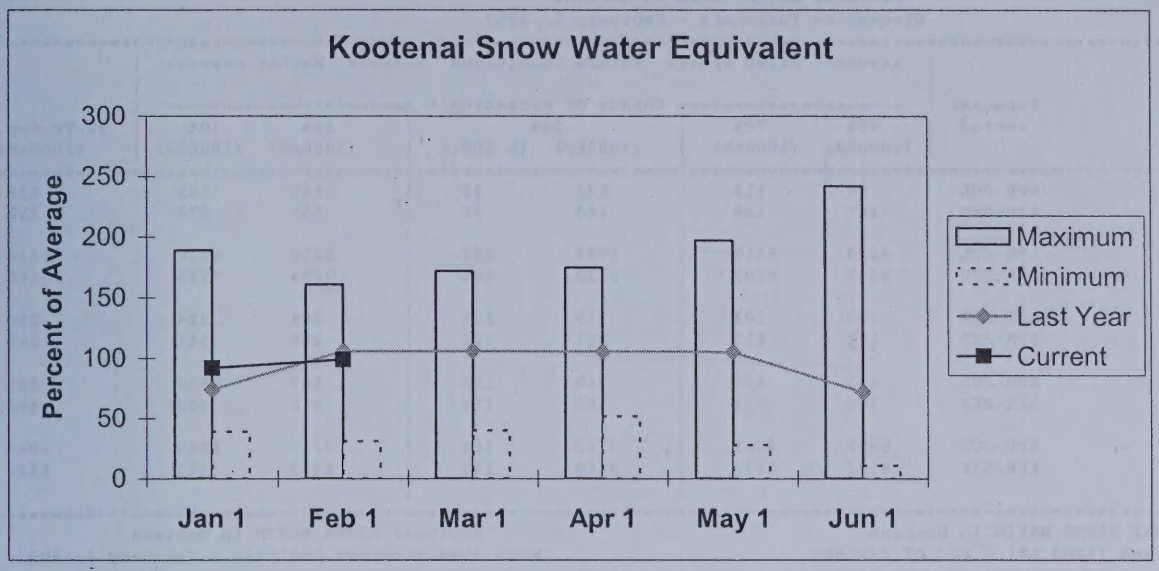
The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This year SWSI	Last year SWSI	Basin
-0.1	+1.5	Tobacco River
+1.0	+0.9	Kootenai Ft. Steele to Libby Dam
+1.7	+2.2	Kootenai River below Libby Dam
+1.1	+1.4	Fisher River
+2.1	+1.0	Yaak River
+0.6	+0.8	North Fork Flathead River
+0.3	+0.4	Middle FORK Flathead River
+2.0	+3.3	South Fork Flathead River
+1.2	+1.6	Flathead River at Columbia Falls
+0.2	+2.4	Stillwater/Whitefish Rivers
-1.4	+1.1	Swan River
+0.9	+1.0	Flathead River at Polson
----	----	Mission Valley
----	----	Little Bitterroot River
-1.3	+1.1	Clark Fork River above Milltown
-0.8	+0.3	Blackfoot River
-1.9	+1.9	Bitterroot River
-1.7	+1.5	Clark Fork River below Bitterroot River
-0.3	+1.2	Clark Fork River below Flathead River
-2.4	-1.4	Beaverhead River
-2.0	----	Ruby River
-0.9	+0.6	Big Hole River
-1.5	-0.1	Boulder River (Jefferson)
-0.9	----	Jefferson River
-1.5	+2.1	Madison River
-3.1	+2.2	Gallatin River
-1.5	----	Missouri River above Canyon Ferry
-2.7	----	Missouri River below Canyon Ferry
-0.9	+1.8	Smith River
-0.4	-1.6	Sun River
-0.2	-1.9	Teton River
-3.0	-2.9	Birch/Dupuyer Creeks
-3.4	----	Upper Judith River
-1.4	-1.3	Marias River above Tiber
-1.6	+0.1	Marias River below Tiber
-2.9	----	Musselshell River
-1.5	----	Missouri River above Ft. Peck
-3.8	-3.4	Missouri River below Ft. Peck
+1.0	-0.7	St. Mary River
-0.2	+0.2	Milk River
-1.6	-0.7	Dearborn River near Craig
-1.6	+1.4	Yellowstone River above Livingston
-2.7	+2.3	Shields River
-2.4	+2.4	Boulder River (Yellowstone)
-2.2	+1.4	Stillwater River
-2.8	-1.2	Rock/Red Lodge Creeks
-2.3	+0.7	Clarks Fork River
-1.9	+1.4	Yellowstone River above Bighorn River
-2.0	-0.5	Bighorn River below Bighorn Lake
-2.4	-0.4	Little Bighorn River
-1.9	+0.5	Yellowstone River below Bighorn River
-2.2	----	Tongue River
-2.7	-0.2	Powder River

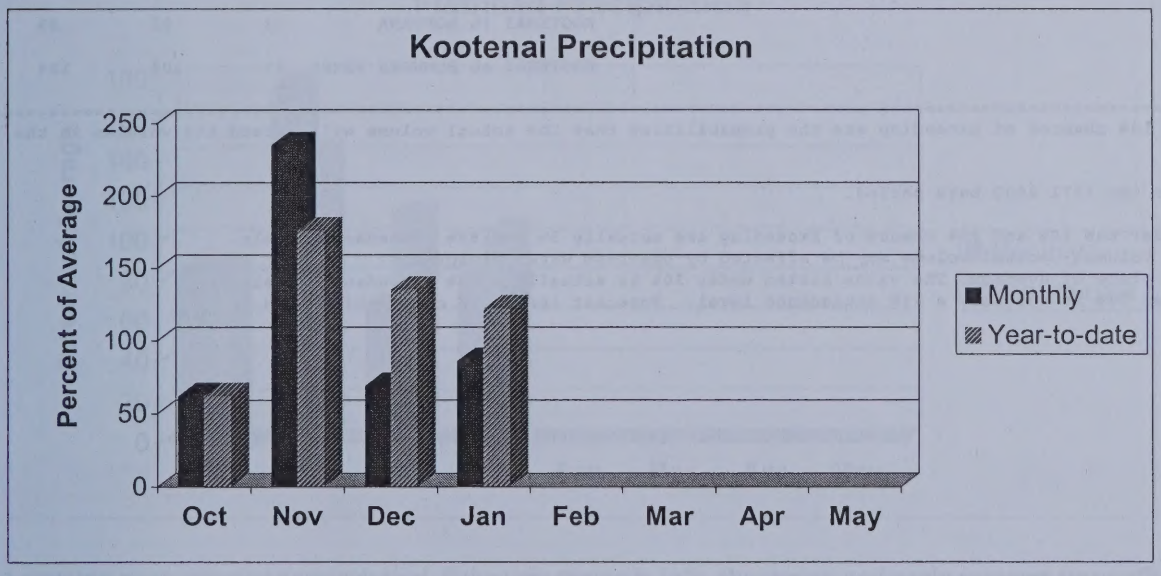
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin in Montana were near average and increased 1 percent from January 1. Snow water content was 99 percent of average and 93 percent of last year. Snow water content in the Kootenay in Canada was 112 percent of average and 123 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during January was 88 percent of average and 53 percent of last year. Valley precipitation during January was 51 percent of average and 31 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 122 percent of average and 108 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 94 percent to 103 percent.

Lake Koocanusa storage was 132 percent of average and 84 percent of last year.

Surface Water Supply Index (SWSI) was -0.1 in the Tobacco River; +1.0 in the Kootenai Ft. Steele to Libby Dam; +1.7 in the Kootenai River below Libby Dam; +1.1 in the Fisher River; and +2.1 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	96	113	126	93	140	161	136
	APR-SEP	107	126	140	93	155	178	150
LIBBY RES Inflow (1,2)	APR-JUL	4690	5310	5750	102	6210	6910	5640
	APR-SEP	5647	6303	6770	102	7254	7995	6640
FISHER RIVER nr Libby	APR-JUL	160	203	235	102	269	324	230
	APR-SEP	173	217	250	102	285	341	245
YAAK RIVER nr Troy	APR-JUL	433	495	540	116	587	659	465
	APR-SEP	456	519	565	115	612	685	490
KOOTENAI at Leonia (1,2)	APR-JUL	5992	6843	7230	103	7617	8468	7040
	APR-SEP	8139	8277	8340	103	8403	8541	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3172.0	3794.0	2400.9

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	10	133	114
KOOTENAI MAINTSTEM	3	86	99
TOBACCO	3	84	94
FISHER	1	84	84
YAAK	6	109	103
KOOTENAI in MONTANA	13	93	99
KOOTENAI ab BONNERS FERRY	23	104	104

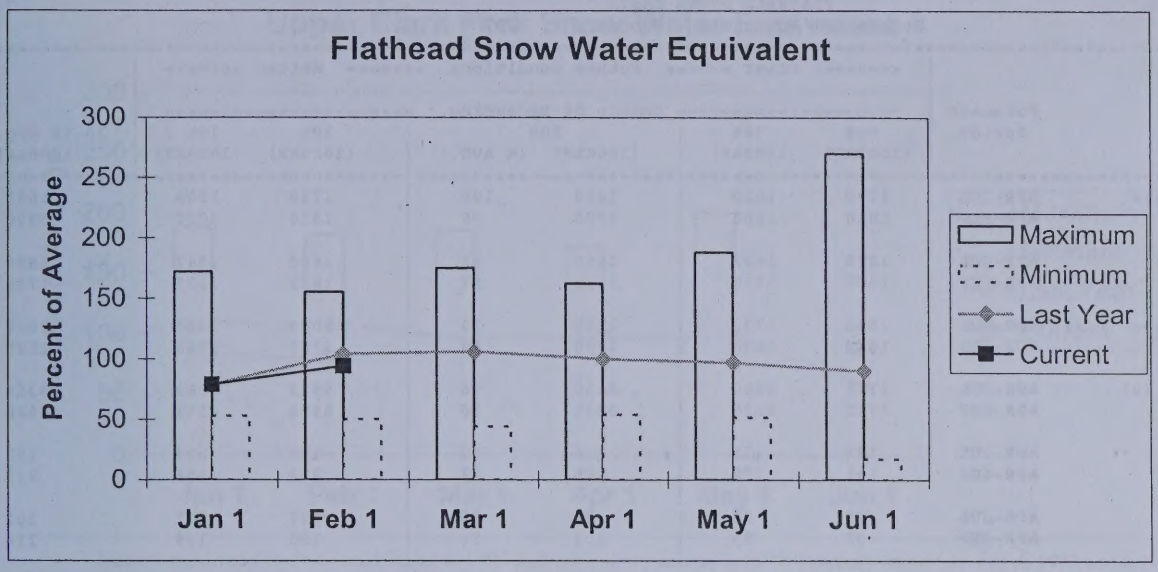
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

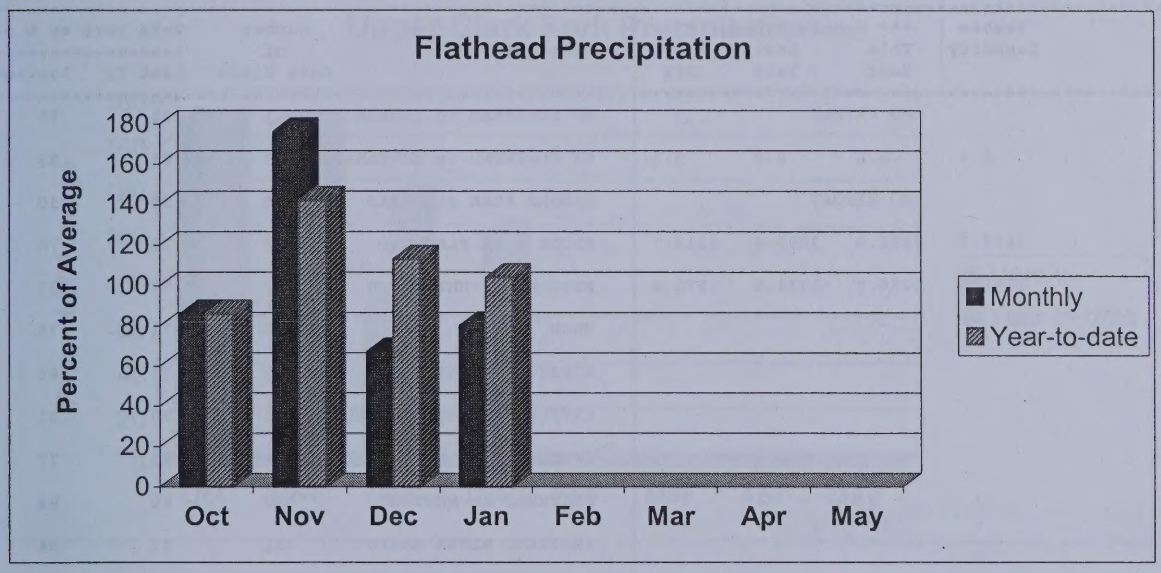
Flathead River Basin

Snowpack conditions in the Flathead River Basin in Montana were below average and increased 5 percent from January 1. Snow water content was 84 percent of average and 80 percent of last year. Flathead snow water content in Canada was 98 percent of average and 101 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during January was 82 percent of average and 51 percent of last year. Valley precipitation during January was 59 percent of average and 32 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 104 percent of average and 90 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 85 percent to 94 percent.

Combined Camas reservoir storage was not available; Lower Jocko Lake was not available; combined Mission Valley reservoir storage was not available; Hungry Horse storage was 130 percent of average and 96 percent of last year; and Flathead Lake storage was 109 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was +0.6 in the North Fork Flathead River; +0.3 in the Middle Fork Flathead River; +2.0 in the South Fork Flathead River; +1.2 in the Flathead River at Columbia Falls; +0.2 in the Stillwater/Whitefish Rivers; -1.4 in the Swan River; +0.9 in the Flathead River at Polson; not available in the Mission Valley; and not available in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	1360	1510	1620	100	1730	1900	1620
	APR-SEP	1510	1680	1790	99	1910	2090	1800
MF FLATHEAD nr West Glacier	APR-JUL	1279	1437	1550	98	1668	1847	1590
	APR-SEP	1407	1572	1690	97	1812	1999	1740
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1530	1720	1860	93	2000	2220	2000
	APR-SEP	1630	1830	1970	93	2120	2340	2120
FLATHEAD at Columbia Falls (2)	APR-JUL	4311	4800	5150	96	5512	6063	5350
	APR-SEP	4722	5235	5600	96	5978	6552	5820
STILLWATER nr Whitefish	APR-JUL	127	155	176	92	198	233	192
	APR-SEP	141	172	195	93	219	258	210
WHITEFISH nr Kalispell	APR-JUL	75	88	97	96	107	121	101
	APR-SEP	85	99	109	96	120	136	114
ASHLEY CREEK nr Marion (2)	APR-JUL	3.1	4.9	6.3	88	7.9	10.6	7.2
	MARCH			0.7	66			1.1
SWAN RIVER nr Bigfork	APR-JUL	372	429	470	83	513	579	565
	APR-SEP	426	489	535	83	583	656	645
Flathead Lake inflow (1,2)	APR-JUL	4992	5579	6000	97	6436	7101	6180
	APR-SEP	5433	6061	6510	97	6975	7685	6700

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)		NO REPORT		
LOWER JOCKO LAKE	6.4	0.0	0.0	0.1
MISSION VALLEY (8)		NO REPORT		
HUNGRY HORSE	3451.0	2881.0	3000.0	2214.7
FLATHEAD LAKE	1791.0	1056.0	1033.0	971.2

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
NF FLATHEAD in CANADA	1	101	95
NF FLATHEAD in MONTANA	7	84	89
MIDDLE FORK FLATHEAD	5	90	90
SOUTH FORK FLATHEAD	6	75	78
STILLWATER-WHITEFISH	7	79	87
SWAN	6	71	76
MISSION VALLEY	3	77	86
LITTLE BITTERROOT-ASHLEY	4	76	81
JOCKO	4	73	77
FLATHEAD in MONTANA	30	80	84
FLATHEAD RIVER BASIN	31	81	84

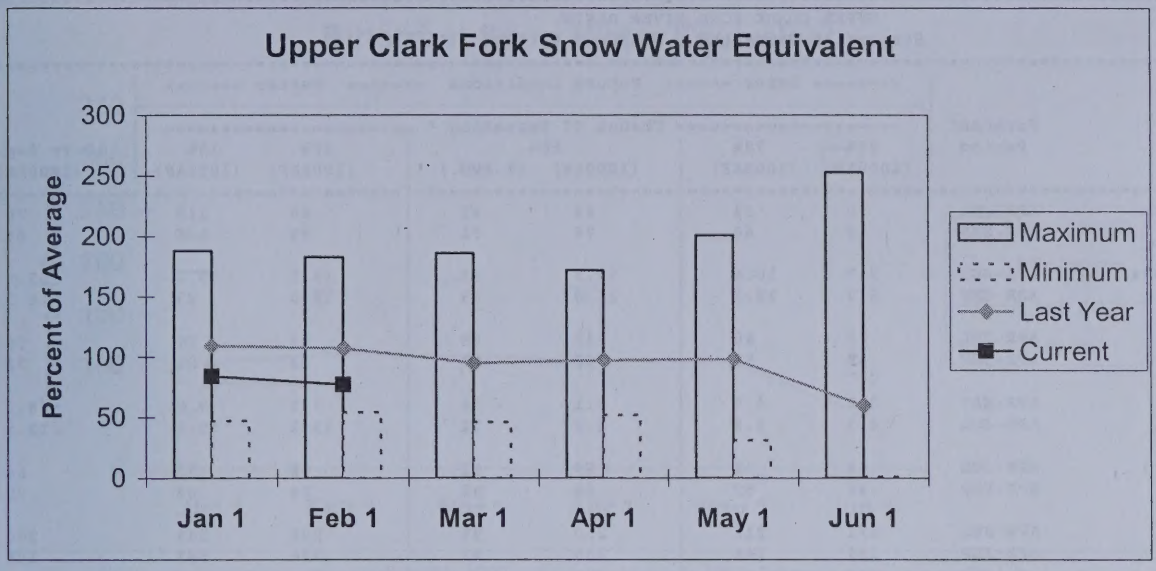
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

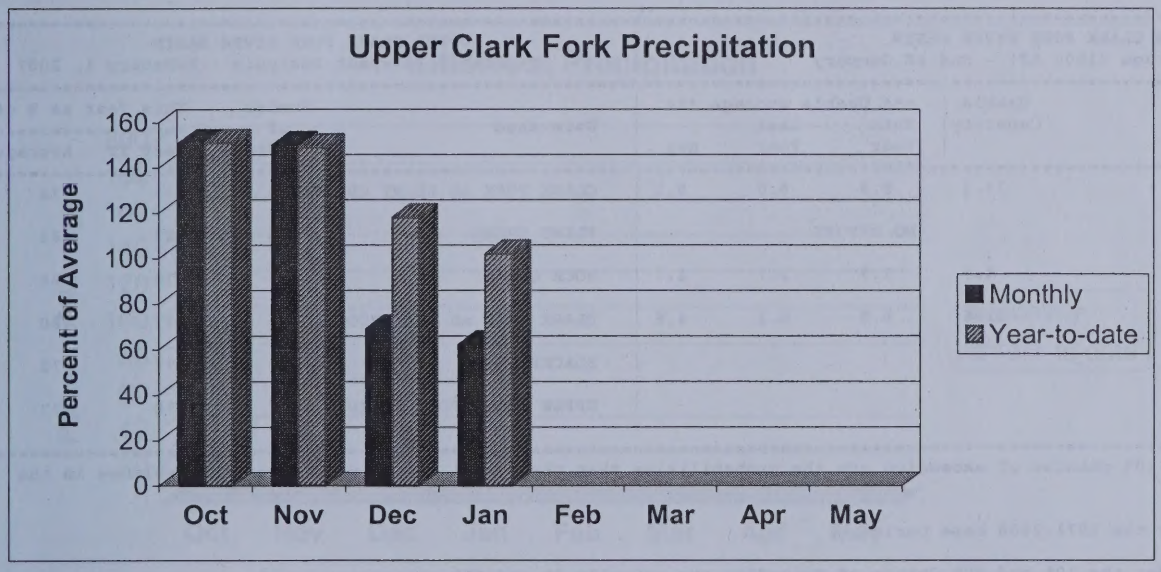
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were below average and decreased 7 percent from January 1. Snow water content was 77 percent of average and 78 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during January was 63 percent of average and 57 percent of last year. Valley precipitation during January was 50 percent of average and 54 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 102 percent of average and 97 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 72 percent to 87 percent.

East Fork Rock Creek storage was 64 percent of average and 97 percent of last year; Georgetown Lake storage was not available; Lower Willow Creek storage was 112 percent of average and 70 percent of last year; and Nevada Creek storage was 104 percent of average and 79 percent of last year.

Surface Water Supply Index (SWSI) was -1.3 in the Clark Fork River above Milltown; and -0.8 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	APR-JUL	35	54	69	91	86	115	76
	APR-SEP	39	60	76	91	94	125	84
FLINT CREEK nr Southern Cross	APR-JUL	7.7	10.6	12.8	93	15.2	19.2	13.7
	APR-SEP	8.7	12.2	15.0	93	18.0	23	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	29	40	49	88	59	74	56
	APR-SEP	38	52	62	87	73	91	71
LOWER WILLOW CK RES Inflow	APR-MAY	3.2	4.8	6.1	74	7.5	9.9	8.2
	APR-JUL	4.3	6.8	8.9	71	11.2	15.1	12.5
MF ROCK CREEK nr Philipsburg	APR-JUL	44	52	59	92	66	77	64
	APR-SEP	49	59	66	92	74	85	72
ROCK CREEK nr Clinton	APR-JUL	171	216	250	93	286	344	270
	APR-SEP	199	248	285	93	324	387	305
CLARK FORK abv Milltown	APR-JUL	310	433	530	88	636	809	605
	APR-SEP	378	514	620	88	735	922	705
NEVADA CREEK nr Helmville	APR-MAY	3.5	5.6	7.3	71	9.2	12.5	10.3
	APR-JUL	5.9	9.5	12.4	72	15.7	21	17.3
BLACKFOOT RIVER nr Bonner	APR-JUL	514	621	700	87	784	915	805
	APR-SEP	581	696	780	88	869	1008	890
CLARK FORK abv Missoula	APR-JUL	857	1085	1240	88	1395	1623	1410
	APR-SEP	985	1230	1400	88	1570	1820	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	5.8	6.0	9.1
GEORGETOWN LAKE		NO REPORT		
LOWER WILLOW CREEK	4.9	1.9	2.7	1.7
NEVADA CREEK	12.6	4.8	6.1	4.6

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	10	73	78
FLINT CREEK	6	88	83
ROCK CREEK	3	79	84
CLARK FORK ab BLACKFOOT	16	77	80
BLACKFOOT	13	77	72
UPPER CLARK FORK BASIN	27	78	77

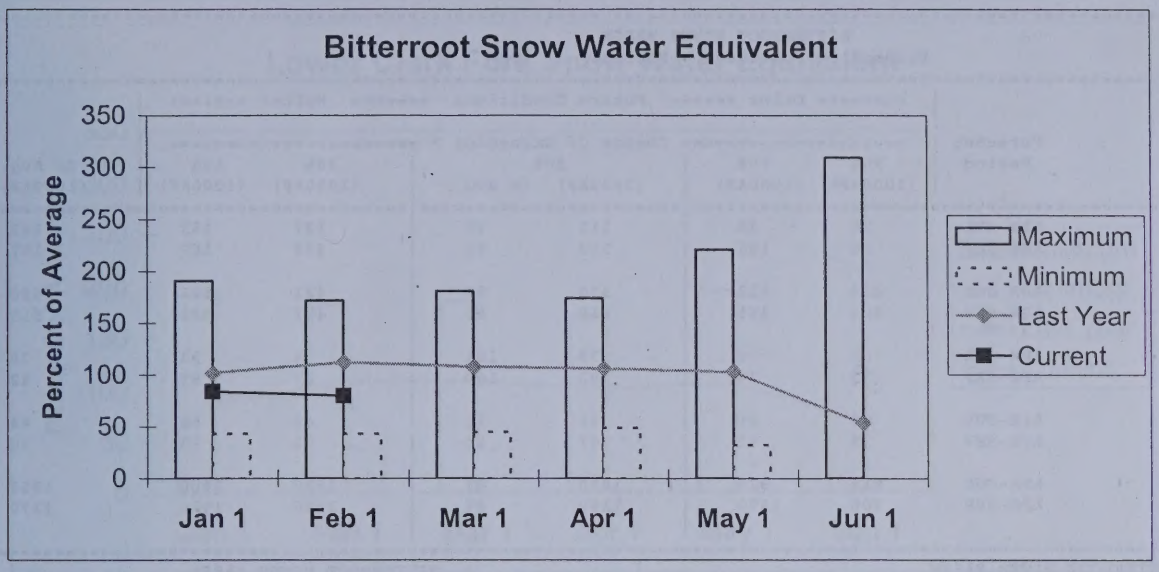
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

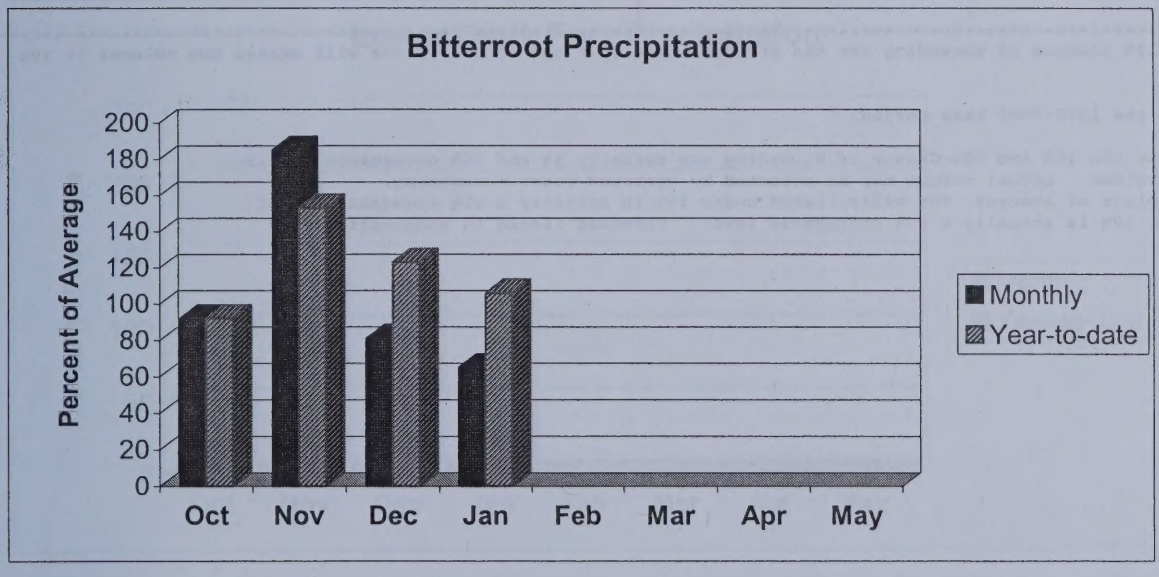
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were below average and decreased 4 percent from January 1. Snow water content was 80 percent of average and 71 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987,1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during January was 65 percent of average and 48 percent of last year. Valley precipitation during January was 61 percent of average and 79 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 106 percent of average and 93 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 78 percent to 87 percent.

Painted Rocks Lake storage was 136 percent of average and Como storage was 205 percent of average and 244 percent of last year.

Surface Water Supply Index (SWSI) was -1.9 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	76	96	111	78	127	153	143
	APR-SEP	84	106	122	78	139	167	157
BITTERROOT nr Darby	APR-JUL	259	322	370	80	421	501	460
	APR-SEP	304	365	410	80	457	532	515
COMO RESERVOIR Inflow	APR-JUL	67	74	79	101	84	92	78
	APR-SEP	70	77	82	100	87	95	82
SKALKAHO CK nr Hamilton	APR-JUL	29	36	40	91	45	52	44
	APR-SEP	35	42	47	94	52	60	50
BITTERROOT at Missoula	APR-JUL	815	975	1090	87	1210	1400	1250
	APR-SEP	900	1070	1190	87	1320	1520	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	9.5	---	7.0
COMO	34.9	21.7	8.9	10.6

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	2	63	73
EAST SIDE BITTERROOT	3	70	77
WEST SIDE BITTERROOT	3	73	83
BITTERROOT RIVER BASIN	7	71	80

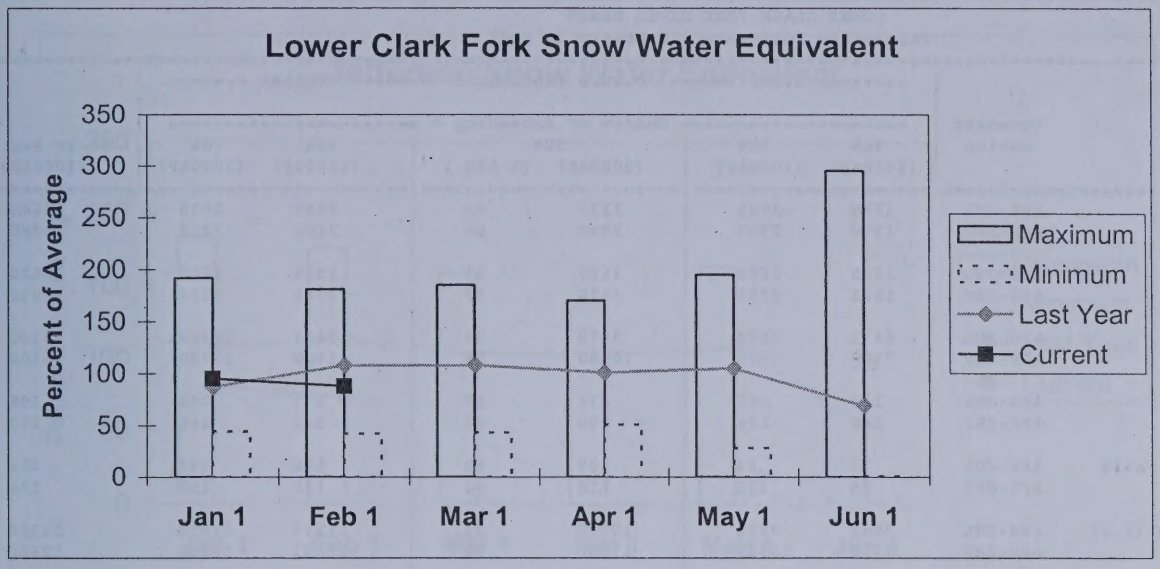
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

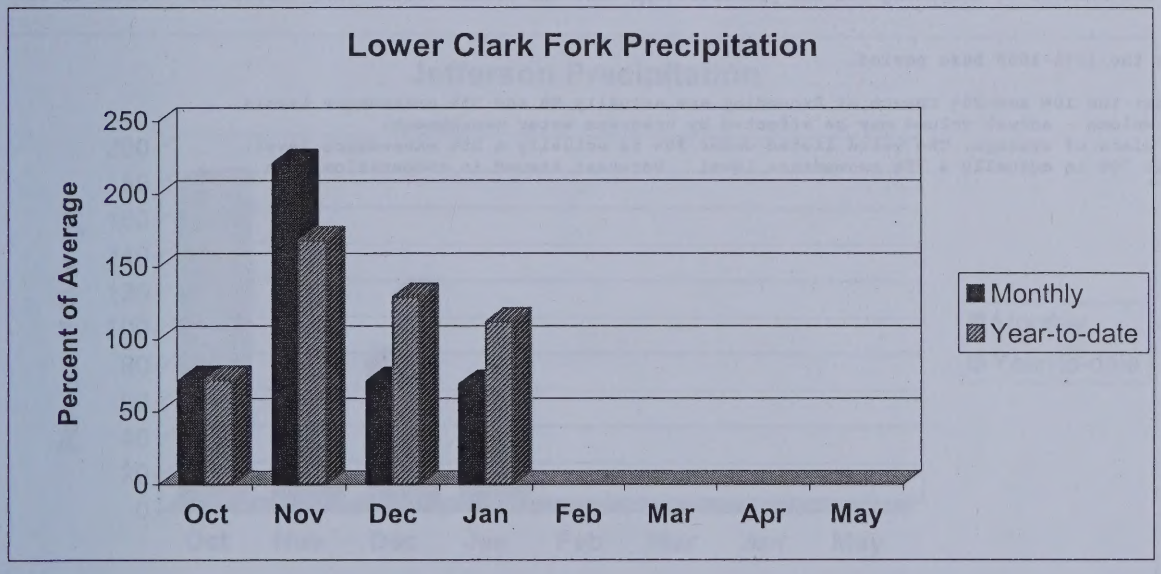
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were below average and decreased 7 percent from January 1. Snow water content was 88 percent of average and 81 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during January was 71 percent of average and 46 percent of last year. Valley precipitation during January was 62 percent of average and 36 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 112 percent of average and 97 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 80 percent to 91 percent.

Noxon Rapids storage was 97 percent of average and 94 percent of last year.

Surface Water Supply Index (SWSI) was -1.7 in the Clark Fork River below Bitterroot River and -0.3 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK blw Missoula	APR-JUL	1740	2091	2330	88	2569	2920	2660
	APR-SEP	1950	2330	2590	88	2850	3230	2960
CLARK FORK at St. Regis (1)	APR-JUL	1635	2656	3120	89	3584	4605	3520
	APR-SEP	1821	2955	3470	89	3985	5119	3910
CLARK FORK nr Plains (1,2)	APR-JUL	6471	8533	9470	94	10407	12469	10100
	APR-SEP	7100	9370	10400	94	11400	13700	11100
THOMPSON nr Thompson Falls	APR-JUL	125	156	179	87	203	242	205
	APR-SEP	143	176	200	87	226	266	230
PROSPECT CREEK at Thompson Falls	APR-JUL	77	94	107	92	120	141	116
	APR-SEP	85	103	116	94	130	152	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	7062	9426	10500	93	11574	13938	11300
	APR-SEP	7717	10319	11500	92	12681	15283	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	302.5	323.0	310.9

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	8	79	88

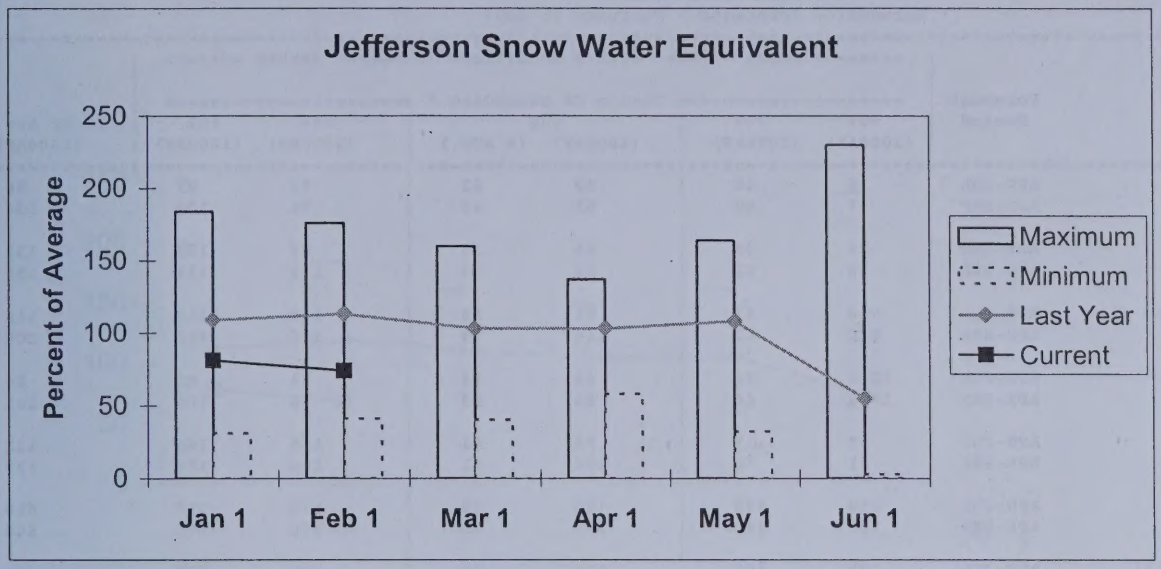
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

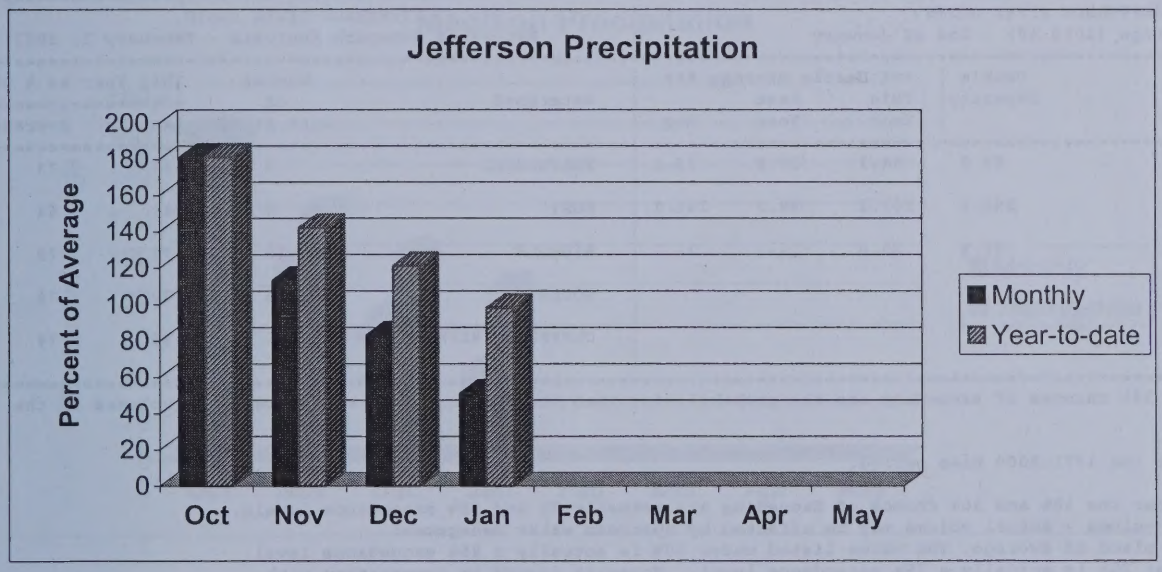
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were below average and decreased 7 percent from January 1. Snow water content was 74 percent of average and 66 percent of last year. The basin is tied for ninth lowest of record with 1991 and 1980.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during January was 52 percent of average and 42 percent of last year. Valley precipitation during January was 41 percent of average and 32 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 98 percent of average and 80 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 49 percent to 69 percent.

Lima storage was 130 percent of average and 117 percent of last year; Clark Canyon storage was 76 percent of average and 120 percent of last year; and Ruby River storage was 105 percent of average.

Surface Water Supply Index (SWSI) was -2.4 in the Beaverhead River; -2.0 in the Ruby River; -0.9 in the Big Hole River; -1.5 in the Boulder River; and -0.9 for the Jefferson River.

JEFFERSON RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	36	48	59	62	72	97	96
	APR-SEP	37	50	62	60	76	104	104
CLARK CANYON Inflow (2)	APR-JUL	26	45	65	50	95	165	131
	APR-SEP	38	61	85	55	118	191	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	0.0	43	91	54	139	210	168
	APR-SEP	0.0	60	118	59	176	262	200
RUBY RIVER Reservoir Inflow	APR-JUL	12.9	34	49	58	64	85	84
	APR-SEP	19.0	44	60	59	76	100	101
BIG HOLE RIVER at Wisdom	APR-JUL	30	71	98	81	125	166	121
	APR-SEP	31	75	105	81	134	178	130
BIG HOLE RIVER nr Melrose	APR-JUL	250	385	480	79	575	710	610
	APR-SEP	285	430	530	80	630	775	660
JEFFERSON nr Twin Bridges (2)	APR-JUL	195	400	540	69	680	885	785
	APR-SEP	260	470	615	70	760	970	880
BOULDER RIVER nr Boulder	APR-JUL	26	52	70	90	88	114	78
	APR-SEP	28	56	75	88	94	122	85
WILLOW CREEK Reservoir Inflow	APR-JUL	1.3	8.6	13.5	75	18.3	25	17.9
	APR-SEP	0.9	9.3	15.0	75	21	29	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	225	430	565	72	700	905	780
	APR-SEP	235	455	600	70	745	965	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	44.3	37.8	34.0
CLARK CANYON	255.6	107.2	89.2	141.1
RUBY RIVER	38.8	25.0	---	23.7

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	8	62	73
RUBY	5	62	64
BIGHOLE	10	71	79
BOULDER	8	70	78
JEFFERSON RIVER BASIN	26	66	74

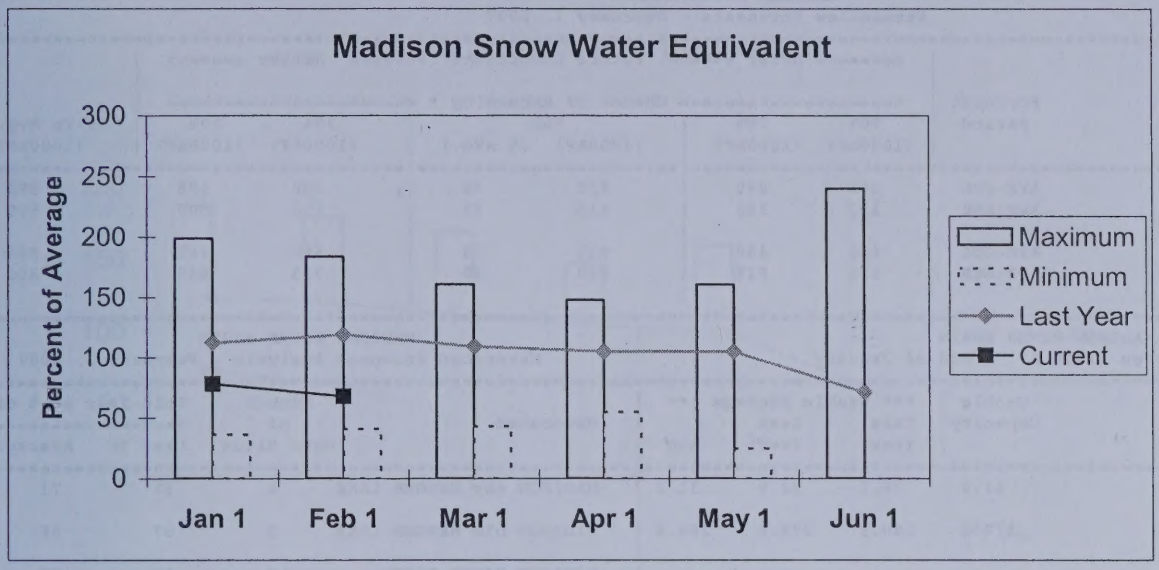
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

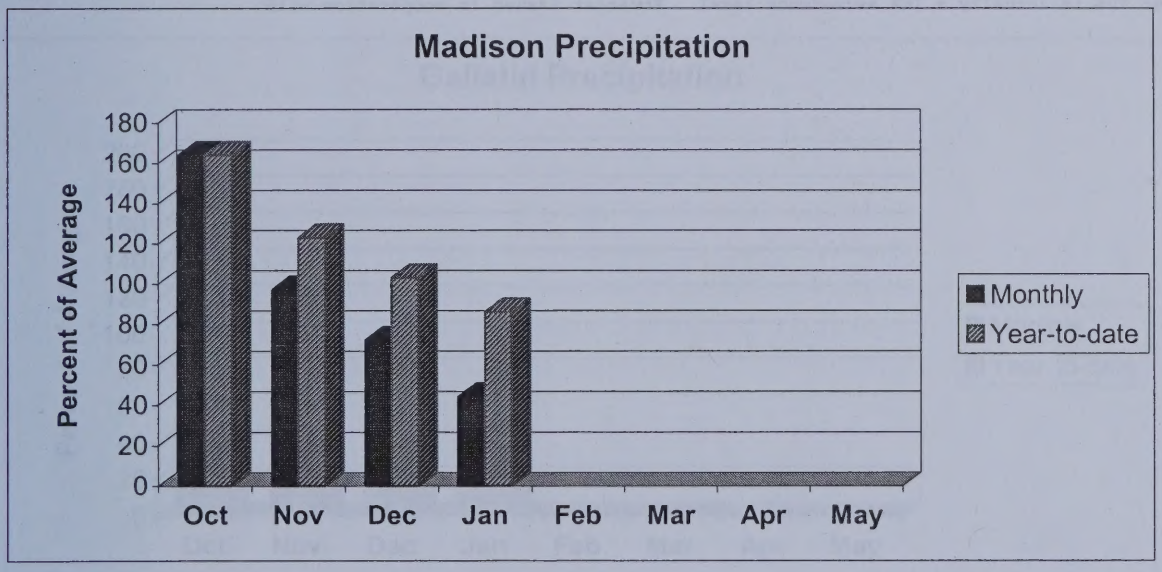
Madison River Basin

Snowpack conditions in the Madison River Basin were well below average and decreased 10 percent from January 1. Snow water content was 68 percent of average and 57 percent of last year. The basin is tied for fifth lowest of record with 1981 and 1987.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January was 44 percent of average and 32 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 86 percent of average and 66 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 73 percent to 80 percent.

Ennis Lake storage was 83 percent of average and 87 percent of last year and Hebgen Lake storage was 109 percent of average and 104 percent of last year.

Surface Water Supply Index (SWSI) was -1.5 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	245	290	320	82	350	395	390
	APR-SEP	330	380	415	83	450	500	500
ENNIS Reservoir Inflow (2)	APR-JUL	400	480	530	78	580	660	680
	APR-SEP	525	615	680	80	745	835	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	26.1	29.9	31.3
HEBGEN LAKE	377.5	290.9	279.5	266.5

MADISON RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	57	71
MADISON blw HEBGEN LAKE	8	57	66
MADISON RIVER BASIN	14	57	68

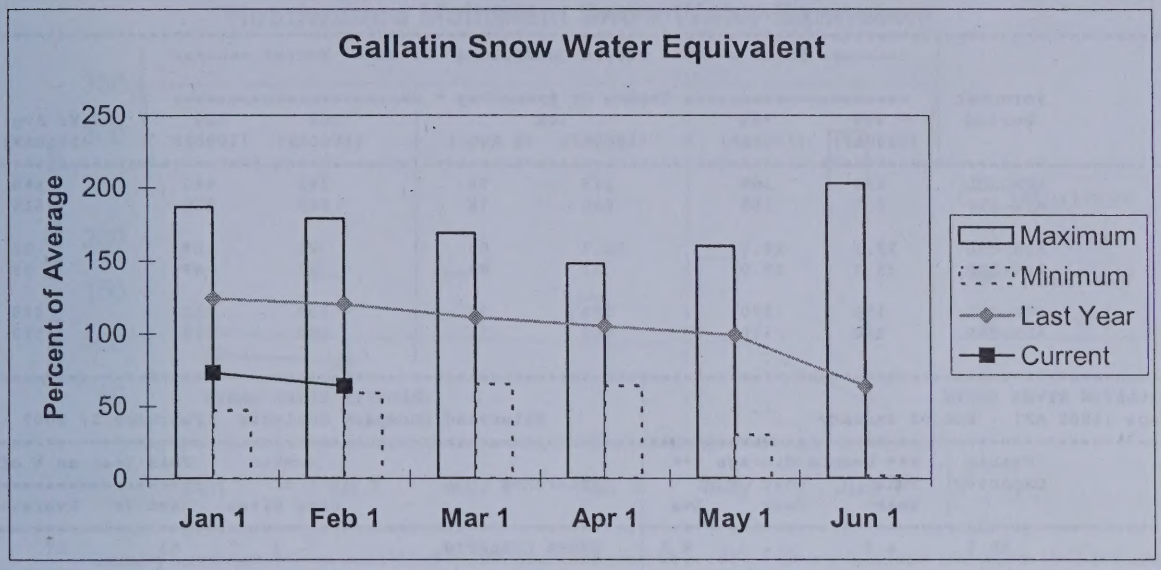
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

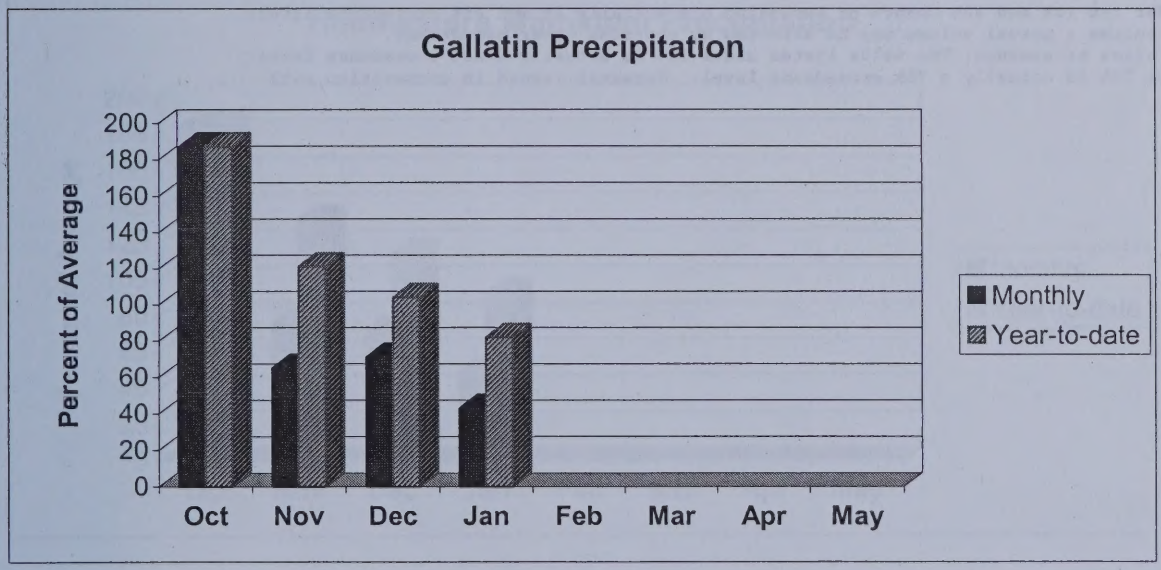
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were well below average and decreased 9 percent from January 1. Snow water content was 64 percent of average and 53 percent of last year. The basin was tied at third lowest of record with 1966.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977, 1987, and 2005 ; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during January was 44 percent of average and 42 percent of last year. Valley precipitation during January was 23 percent of average and 32 percent of last year; Mountain and valley water year precipitation, beginning October 1, 2006, was 82 percent of average and 65 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 66 percent to 78 percent.

Middle Creek storage was 140 percent of average.

Surface Water Supply Index (SWSI) was -3.1 for the Gallatin River.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	810	1210	1480	72	1750	2150	2050
	APR-SEP	925	1390	1710	72	2030	2490	2390
DEARBORN nr Craig	APR-JUL	50	77	95	79	113	139	121
	APR-SEP	53	83	101	81	120	149	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1321	1904	2300	77	2697	3277	2990
	APR-SEP	1570	2287	2760	77	3231	3931	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	1560	2233	2690	78	3145	3820	3450
	APR-SEP	1830	2622	3160	78	3696	4491	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	1522	2241	2730	74	3220	3940	3690
	APR-SEP	1740	2624	3200	74	3776	4650	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1585	2314	2810	75	3306	4036	3740
	APR-SEP	1820	2686	3260	75	3836	4681	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	4480	6140	7210	74	8280	9930	9740
	APR-SEP	5150	7060	8300	74	9520	11420	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1493.0	1406.0	1576.1
HELENA VALLEY	9.2	7.2	7.3	4.4
LAKE HELENA	12.7	10.8	10.4	13.0
HAUSER & HELENA		NO REPORT		
HOLTER LAKE	81.9	81.2	81.5	79.4
FORT PECK LAKE	18910.0	8626.0	9138.0	14887.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	8	78	82
SMITH-JUDITH-MUSSELSHELL	10	63	76
SUN-TETON-MARIAS	7	107	90
MAINSTEM ab FT PECK RES	24	82	83
MILK RIVER BASIN	3	67	73
MISSOURI MAINSTEM BASIN	26	80	82

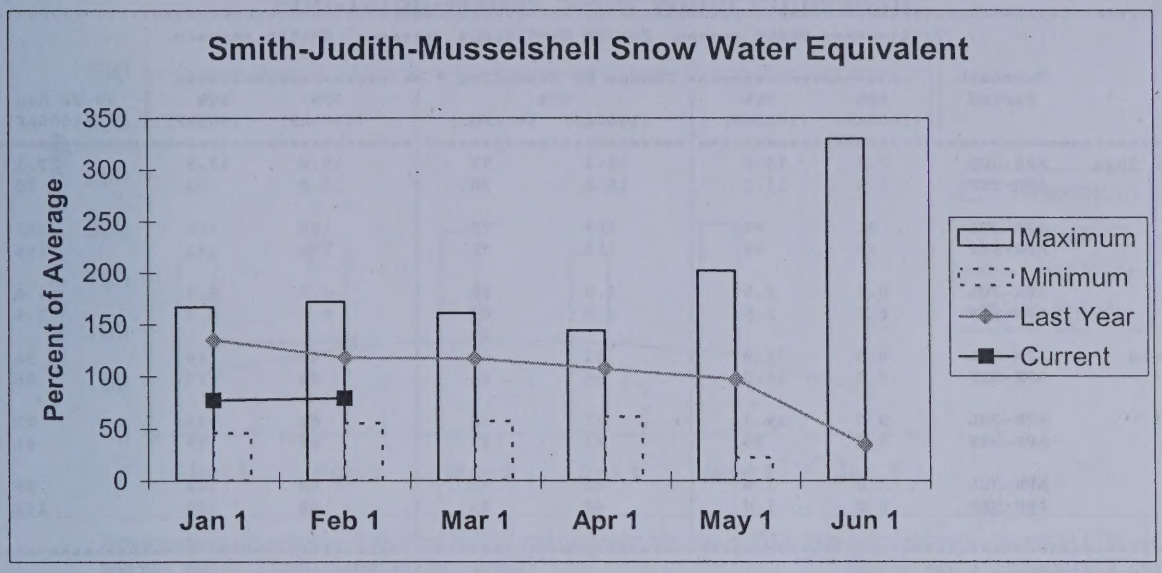
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

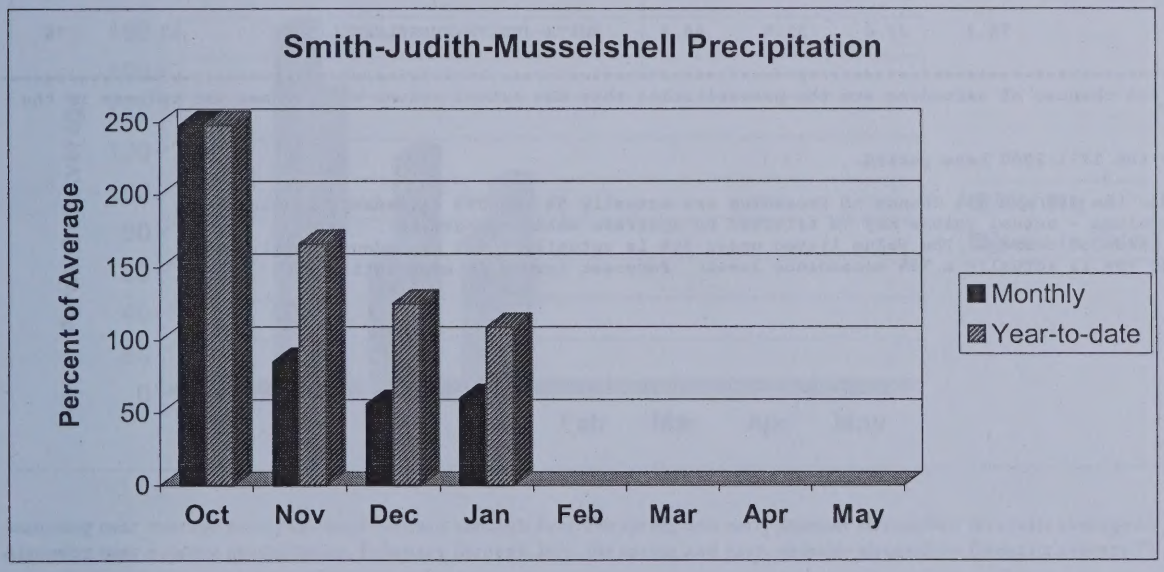
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were below average and decreased 1 percent from January 1. Snow water content in the Smith River Basin was 76 percent of average and 65 percent of last year; the Judith River Basin was 79 percent of average and 69 percent of last year; and the Musselshell Basin River was 52 percent of average and 50 percent of last year. The Musselshell basin was tied for the record low with 1981 and 1987.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987, and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January in the Smith-Belts was 58 percent of average and 55 percent of last year; in the Judith was 75 percent of average and 134 percent of last year; and in the Musselshell was 39 percent of average and 118 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 109 percent of average and 88 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 38 percent to 62 percent.

Smith River storage was 65 percent of average; Bair storage was 50 percent of average; Ackley storage was 69 percent of average; Martinsdale storage was empty; and Deadman's Basin 79 percent of average and 116 percent of last year.

Surface Water Supply Index (SWSI) was -0.9 in the Smith River; -3.4 in the Upper Judith River, and -2.9 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	7.7	10.9	13.1	77	15.2	18.5	17.1
	APR-SEP	9.4	13.2	15.6	78	18.0	22	20
SMITH RIVER abv Eagle Creek	APR-JUL	41	80	103	77	128	165	133
	APR-SEP	45	86	113	76	140	182	149
NF MUSSELSHELL nr Delpine	APR-JUL	0.6	2.0	3.0	65	4.0	5.4	4.6
	APR-SEP	0.8	2.5	3.6	67	4.7	6.4	5.4
SF MUSSELSHELL abv Martinsdale	APR-JUL	0.0	17.0	31	60	45	66	52
	APR-SEP	0.0	19.0	34	61	49	71	56
MUSSELSHELL at Harlowton (2)	APR-JUL	0.0	19.3	41	53	62	95	77
	APR-SEP	0.0	20	43	53	66	99	81
MUSSELSHELL nr Roundup (2)	APR-JUL	0.0	2.0	42	42	82	142	99
	APR-SEP	0.0	1.0	44	43	82	140	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	4.1	---	6.3
ACKLEY LAKE	7.0	2.2	---	3.2
BAIR	7.0	1.8	---	3.6
MARTINSDALE	23.1	0.0	---	10.1
DEADMAN'S BASIN	72.2	37.0	31.9	46.8

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	6	65	76
HIGHWOOD	0	33	0
JUDITH	4	69	79
MUSSELSHELL	3	50	52
SMITH-JUDITH-MUSSELSHELL	10	63	76

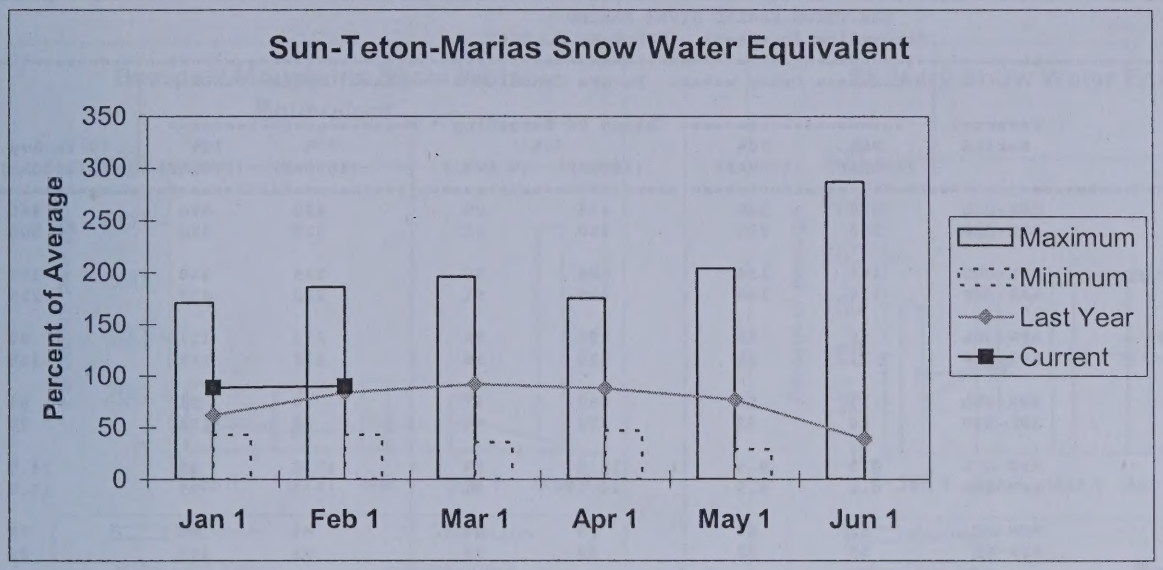
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

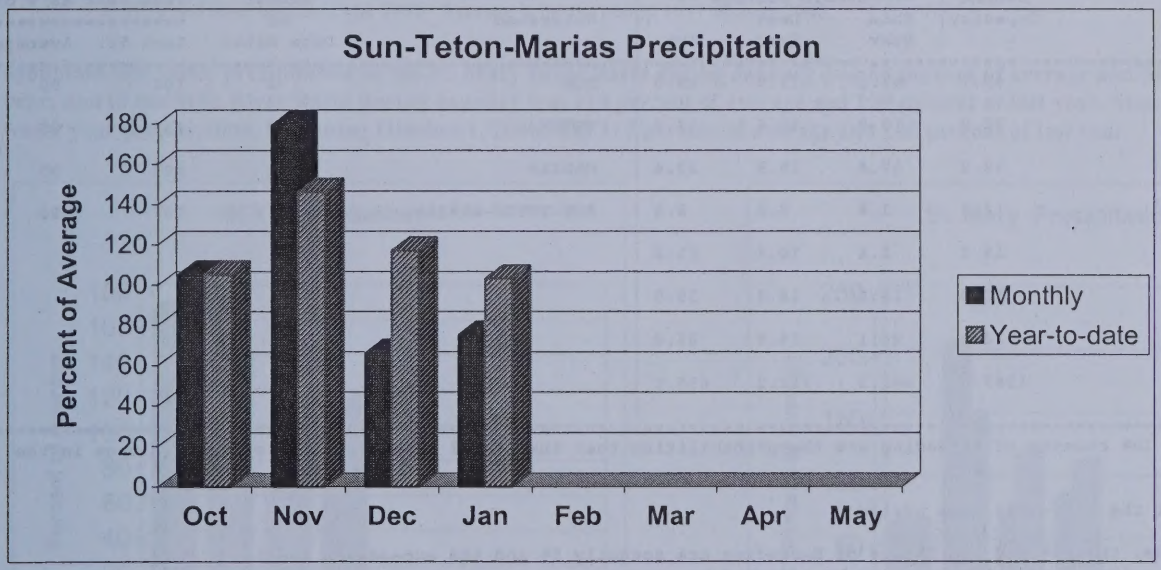
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were below average and increased 1 percent from January 1. Snow water content in the Sun River Basin was 90 percent of average and 102 percent of last year; in the Teton River Basin was 85 percent of average and 129 percent of last year; and in the Marias River Basin was 90 percent of average and 108 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005 and 1998; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January in the Sun was 44 percent of average and 43 percent of last year; in the Teton was 85 percent of average and 80 percent of last year; and in the Marias was 77 percent of average and 65 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 103 percent of average and 115 percent of last year.



Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 42 percent to 59 percent. Assuming near average precipitation, February through July, the spring and early summer streamflow forecasts average 73 percent to 93 percent.

Gibson storage was 96 percent of average and 371 percent of last year; Pishkun storage was empty; Willow Creek storage was 129 percent of average and 107 percent of last year; Lower Two Medicine Lake storage was 39 percent of average and 35 percent of last year; Four Horns Lake storage was 9 percent of average and 10 percent of last year; Swift storage was 122 percent of average and 131 percent of last year; Lake Frances storage was 36 percent of average and 69 percent of last year; and Lake Elwell (Tiber) storage was 108 percent of average and 97 percent of last year.

Surface Water Supply Index (SWSI) was -0.4 in the Sun River; -0.2 in the Teton River; -3.0 in the Birch/Dupuyer Creeks; -1.4 in the Marias River above Tiber, and -1.6 in the Marias below Tiber.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<======= Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	330	390	435	95	480	540	460
	APR-SEP	370	435	480	95	525	590	505
TWO MEDICINE RIVER nr Browning	APR-JUL	109	154	185	90	215	260	205
	APR-SEP	118	164	195	91	225	270	215
BADGER CREEK nr Browning (2)	APR-JUL	59	80	95	96	110	131	99
	APR-SEP	71	94	110	96	126	149	115
SWIFT RESERVOIR Inflow	APR-JUL	33	50	62	97	74	91	64
	APR-SEP	44	62	74	96	86	104	77
DUPUYER CREEK nr Valier	APR-JUL	0.0	7.3	12.5	89	17.6	25	14.0
	APR-SEP	0.2	8.5	14.3	91	19.9	29	15.7
CUT BANK CREEK nr Browning	APR-JU	52	66	73	95	84	97	77
	APR-SE	59	73	82	98	92	105	84
MARIAS RIVER nr Shelby (2)	APR-JUL	222	330	400	96	470	580	415
	APR-SEP	237	345	420	96	495	605	440
TETON nr Dutton	APR-JUL	12.8	29	45	88	66	109	51
	APR-SEP	15.3	34	52	88	76	124	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	44.1	11.9	45.8
PISHKUN	32.0	0.0	17.6	17.8
WILLOW CREEK	32.2	28.8	26.9	22.4
LOWER TWO MEDICINE LAKE	11.9	3.4	9.6	8.8
FOUR HORNS LAKE	19.2	1.1	10.6	11.9
SWIFT	30.0	18.9	14.4	15.5
LAKE FRANCES	112.0	24.1	34.9	66.8
LAKE ELWELL (TIBER)	1347.0	689.5	712.2	635.5

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	2	102	90
TETON	3	129	85
MARIAS	4	108	90
SUN-TETON-MARIAS	7	107	90

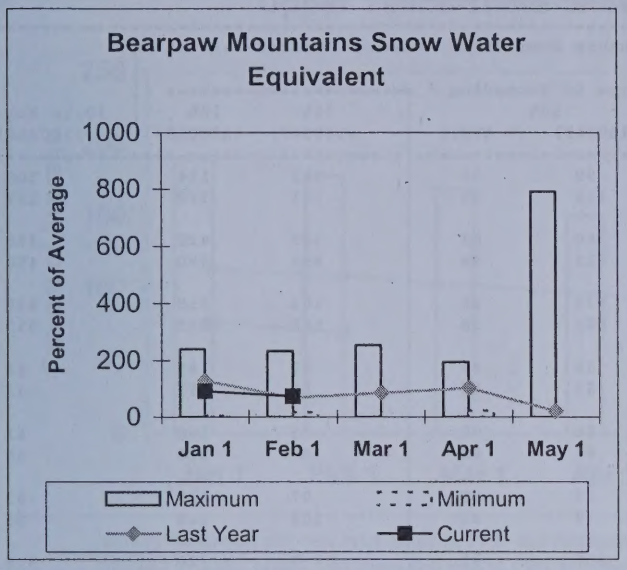
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

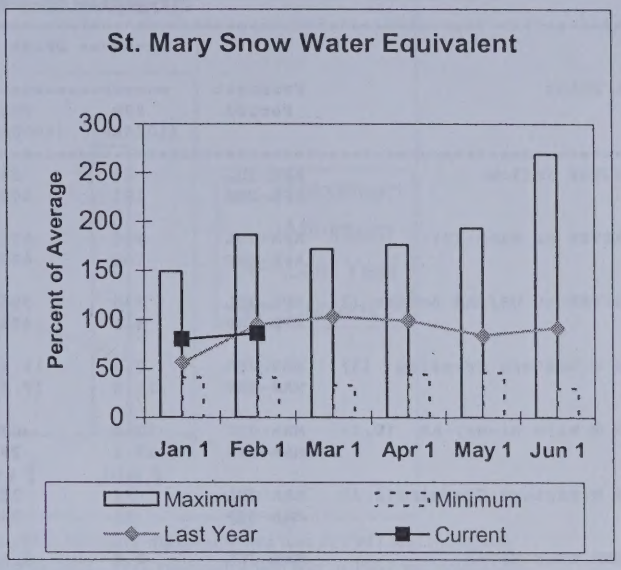
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were below average. Snow water content in the Saint Mary River Basin was 86 percent of average and 102 percent of last year. Snow water content in the Bearpaw Mountains was 73 percent of average 67 percent of last year. Snow water content for the Cypress Hills in Canada was 104 percent of average and 372 percent of last year.

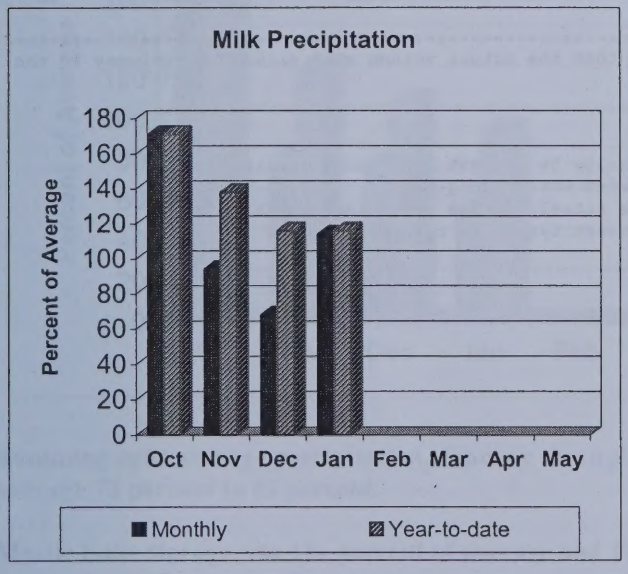


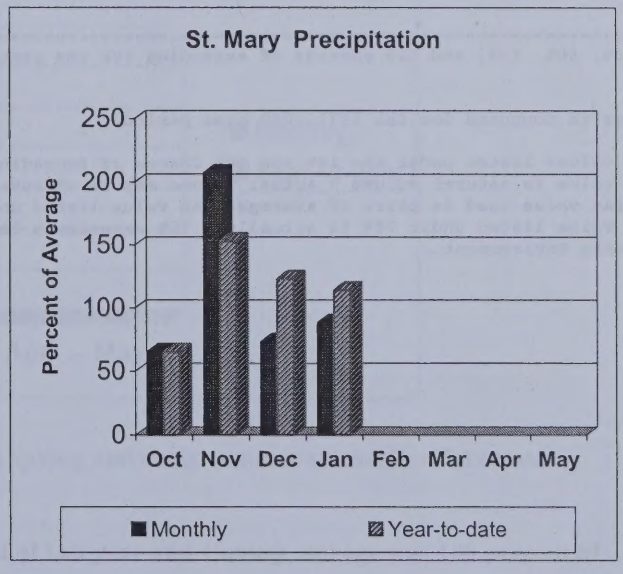


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 2001; March maximum swe was 1978 and minimum swe was2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1967 and 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during January was 88 percent of average and 51 percent of last year; and in the Milk River Basin during January was 114 percent of average and 129 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 115 percent of average and 105 percent of last year.





Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts in the St. Mary should average 89 percent to 96 percent and in the Milk should average 46 to 88 percent.

Lake Sherburne storage was 145 percent of average and 94 percent of last year; Fresno storage was 79 percent of average and 81 percent of last year; Beaver Creek storage was not available; and Nelson storage was 79 percent of average and 76 percent of last year.

Surface Water Supply Index (SWSI) was +1.0 in the St. Mary River and -0.2 in the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	84	93	99	94	105	114	105
	APR-SEP	101	109	115	94	121	129	122
ST. MARY RIVER nr Babb (2)	APR-JUL	300	335	360	94	385	420	385
	APR-SEP	360	400	425	94	450	490	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	345	395	430	99	465	515	435
	APR-SEP	415	470	505	98	540	595	515
MILK RIVER @ Western Crossing (3)	MAR-JUL	9.8	16.4	34	83	47	65	41
	MAR-SEP	10.3	17.6	37	86	51	71	43
MILK RIVER @ Milk River, AB (2,3)	MAR-JUL	17.0	27	56	92	78	108	61
	MAR-SEP	17.1	29	61	93	85	118	66
MILK RIVER @ Eastern Crossing(2,3)	MAR-JUL	21	32	71	85	97	136	83
	MAR-SEP	21	34	77	88	106	149	88
BEAVER CREEK near Havre	MAR-JUL	2.8	5.8	8.7	91	12.5	20	9.6

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	38.3	40.6	26.4
FRESNO	127.0	39.6	48.9	50.1
BEAVER CREEK		NO REPORT		
NELSON	66.8	27.1	35.5	34.2

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	2	88	83
BEARPAW MOUNTAINS	3	67	73
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	3	67	73
ST. MARY & MILK BASINS	5	83	81

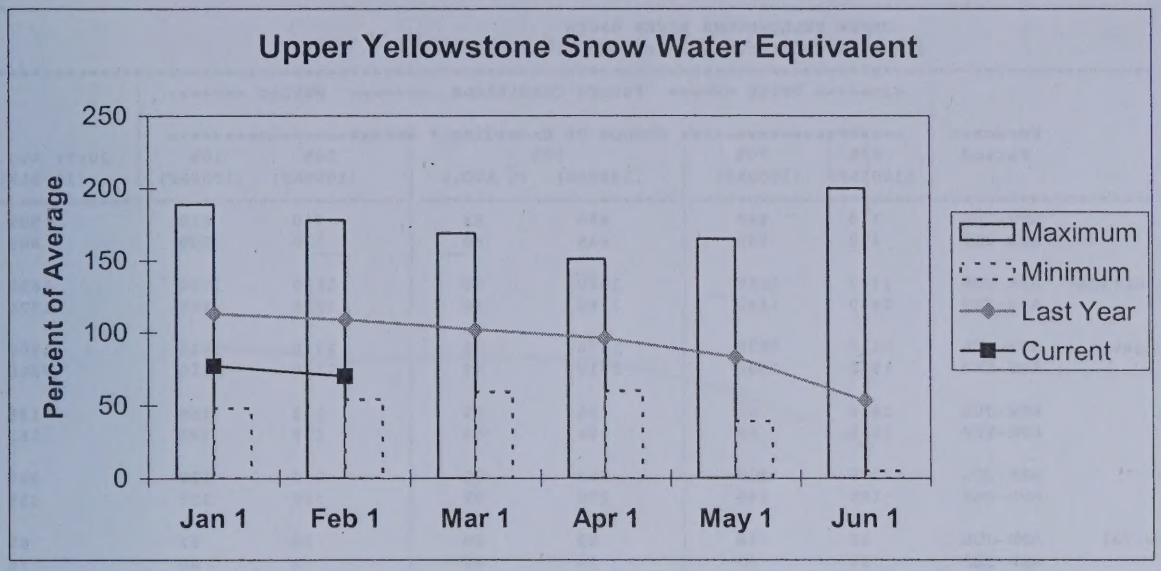
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

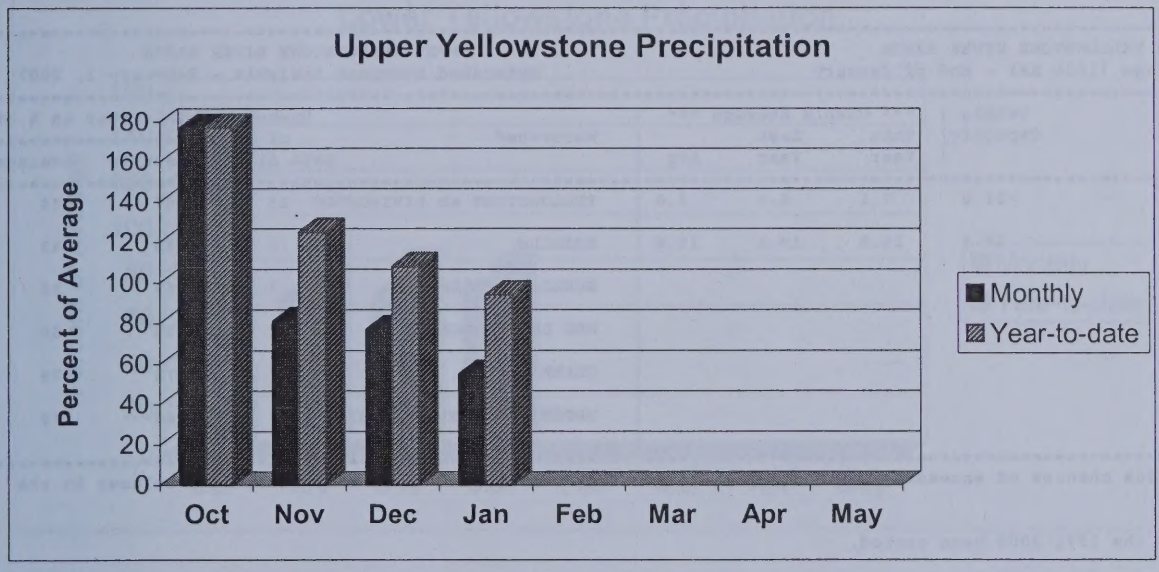
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were below average and decreased 7 percent from January 1. Snow water content was 70 percent of average and 64 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during January was 57 percent of average and 56 percent of last year. Valley precipitation during January was 31 percent of average and 72 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 94 percent of average and 82 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 72 percent to 83 percent.

Mystic Lake storage was 111 percent of average and 111 percent of last year and Cooney storage was 108 percent of average and 87 percent of last year.

Surface Water Supply Index (SWSI) was -1.6 in the Yellowstone River above Livingston; -2.7 in the Shields River; -2.4 in the Boulder River; -2.2 in the Stillwater River; -2.8 in the Rock/Red lodge Creeks; -2.3 in the Clarks Fork River; and -1.9 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	370	440	490	83	540	610	590
	APR-SEP	490	580	645	80	710	800	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	1190	1360	1480	90	1600	1770	1650
	APR-SEP	1440	1640	1780	90	1920	2120	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	1410	1570	1670	88	1770	1930	1900
	APR-SEP	1710	1890	2010	88	2130	2310	2280
SHIELDS RIVER nr Livingston	APR-JUL	14.0	60	91	63	122	168	145
	APR-SEP	16.0	69	104	64	139	191	162
BOULDER RIVER at Big Timber	APR-JUL	179	225	255	90	285	330	285
	APR-SEP	195	240	275	87	310	355	315
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	42	48	52	88	56	62	59
	APR-SEP	56	63	68	90	73	80	76
STILLWATER RIVER nr Absarokee (2)	APR-JUL	315	375	420	85	465	525	495
	APR-SEP	375	445	490	84	535	605	585
CLARKS FORK RIVER nr Belfry	APR-JUL	355	415	455	84	495	555	540
	APR-SEP	390	450	490	82	530	590	595
COONEY RESERVOIR Inflow (2)	APR-JUL	6.7	23	34	72	45	61	47
	APR-SEP	15.0	32	43	75	54	71	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	2060	2610	2980	85	3350	3900	3510
	APR-SEP	2410	3050	3490	85	3930	4570	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	7.1	6.4	6.4
COONEY	27.4	16.8	19.3	15.6

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	15	67	74
SHIELDS	4	35	43
BOULDER-STILLWATER	3	67	78
RED LODGE-ROCK CREEK	2	98	60
CLARK'S FORK	7	72	76
UPPER YELLOWSTONE BASIN	27	64	70

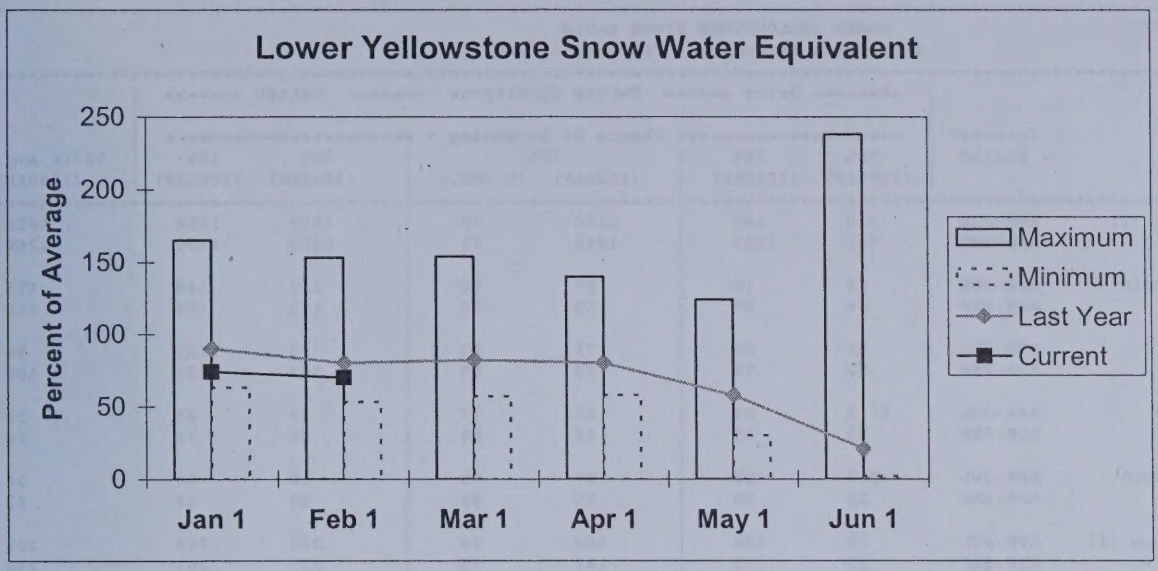
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

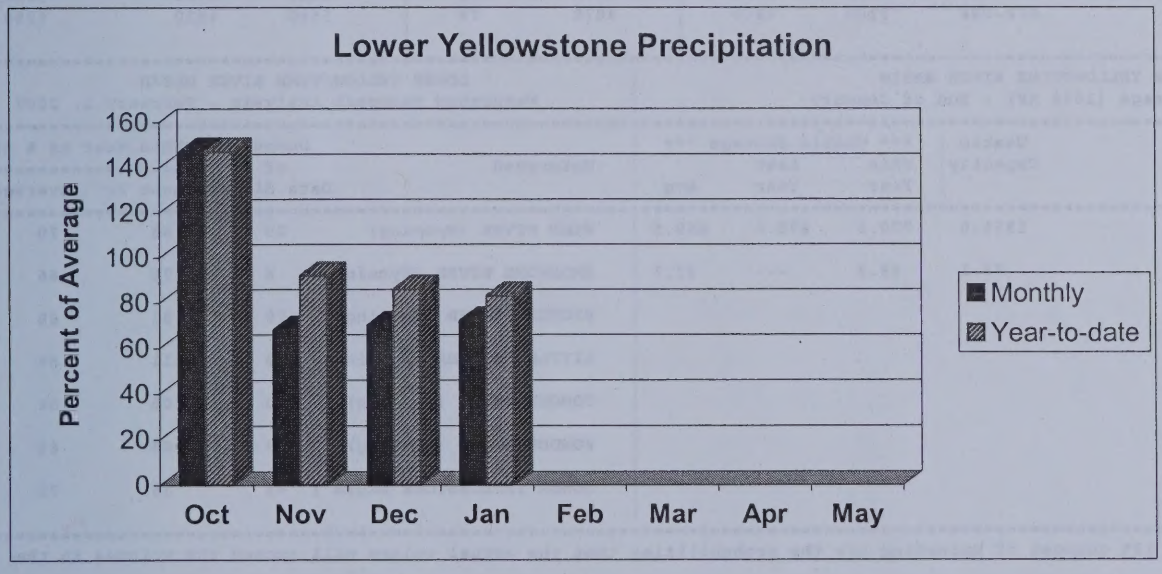
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were below average and decreased 4 percent from January 1. Snow water content was 70 percent of average and 86 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during January was 64 percent of average and 72 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2006, was 89 percent of average and 81 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 54 percent to 67 percent.

Bighorn Lake storage was 90 percent of average and 89 percent of last year and Tongue River storage was 215 percent of average.

Surface Water Supply Index (SWSI) was -2.0 in the Bighorn River below Bighorn Lake; -2.4 in the Little Bighorn River; -1.9 in the Yellowstone River below Bighorn River; -2.2 in the Tongue River; and -2.7 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - February 1, 2007

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	710	960	1130	70	1300	1550	1610
	APR-SEP	780	1055	1240	71	1430	1700	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	46	76	97	76	118	148	128
	APR-SEP	54	87	110	76	133	166	144
TONGUE RIVER nr Dayton (2)	APR-JUL	51	68	79	82	90	107	96
	APR-SEP	59	78	90	83	102	121	109
BIG GOOSE CREEK nr Sheridan	APR-JUL	17.5	31	40	77	49	63	52
	APR-SEP	25	39	48	80	57	71	60
LITTLE GOOSE CREEK nr Big Horn	APR-JUL	15.7	22	27	79	32	38	34
	APR-SEP	22	30	35	83	40	48	42
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	75	130	168	76	205	260	220
	APR-SEP	89	147	187	75	227	287	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	2830	3660	4230	79	4800	5630	5360
	APR-SEP	3300	4270	4930	79	5590	6560	6210
POWDER RIVER at Moorehead	APR-JUL	0.0	59	100	49	141	200	205
	APR-SEP	13.0	71	113	49	155	217	230
POWDER RIVER near Locate	APR-JUL	51	88	113	48	138	175	235
	APR-SEP	57	97	125	48	153	193	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	2830	3690	4270	78	4850	5710	5480
	APR-SEP	3220	4200	4870	78	5540	6520	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of January

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	770.3	870.0	859.5
TONGUE RIVER	79.1	48.9	---	22.7

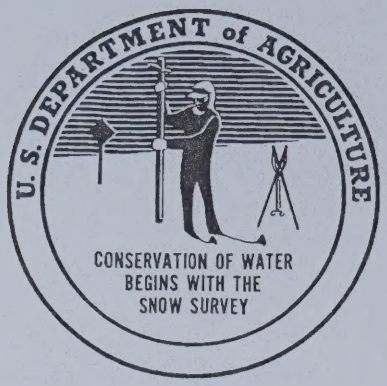
LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - February 1, 2007

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	20	86	70
SHOSHONE RIVER (Wyoming)	6	76	66
BIGHORN RIVER (Wyoming)	20	81	68
LITTLE BIGHORN (Wyoming)	3	111	84
TONGUE RIVER (Wyoming)	10	105	84
POWDER RIVER (Wyoming)	9	68	64
LOWER YELLOWSTONE BASIN (	48	86	70

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.



Federal Building, Room 443
10 E. Babcock
Bozeman, MT 59715

Montana
Water Supply Outlook Report

Natural Resources Conservation Service
Bozeman, MT